Honeywell

MAINTENANCE MANUAL

BENDIX/KING®

KY 96A, KY 97A

VHF COMMUNICATION TRANSCEIVER

MANUAL NUMBER 006-05674-0005
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MAINTENANCE MANUAL

BENDIX/KING

KY 96A, KY 97A

VHF Communication Transceiver

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SECTION IV
THEORY OF OPERATION

4.1 GENERAL

The KY 96A, KY 97A Comm Transceiver is comprised of:

A. A single conversion VHF receiver utilizing a four pole varactor tuned preselector, field effect transistors for the RF amplifier and mixer, an 8 pole monolithic crystal IF filter and integrated circuit IF amplifier.

B. A broadband transmitter with power transistors mounted on a die-cast aluminum heat sink followed by a three section elliptic function low pass filter.

C. A control section utilizing a microprocessor to:

1. Increment or decrement the selected frequency.

2. Store the “USE,” “STBY,” and 9 user programmable channels in non-volatile memory.

3. Remote transfer the “USE” and “STBY” frequencies and remote increment the stored channels.

4. Light the display with a digital liquid crystal readout and control dimming of the display.

5. Generate frequency code for the synthesizer.

D. A power supply made up of a discrete 9 volt regulator, 3 terminal 5 volt regulator.

E. A liquid crystal frequency display with variable backlighting and viewing angle.

4.2 GENERAL CIRCUIT THEORY

4.2.1 Receiver

A receiver block diagram is shown in Figure 4-1. The received signal passes through the low pass filter on the transmitter PC board and the T/R diode to the dual gate field effect transistor RF amplifier. The desired signal proceeds to the dual gate FET mixer Q103 where it is converted to 11.4 MHz, and fed through the monolithic crystal filter to the integrated circuit IF amplifiers followed by the detector. Automatic gain control voltage is fed back to the first and second IF amplifiers and the RF amplifier to achieve more than 120 dB of dynamic range. The detected signal is not allowed to pass through the squelch gate until the input signal has:

A. Exceeded the noise squelch setting or,

B. Exceeded the carrier level setting.

It proceeds through the low pass filter which attenuates all audio frequencies above 2.5 kHz. The audio signal is fed through the volume control to the integrated circuit audio pre-amplifier. Its output will provide more than 100 milliwatts to a headphone, or to an external audio mixer/amplifier.

An optional 4 ohm audio amplifier provides 4 watts on the 13.75 V units and 8 watts on the 27.5 V units.

4.2.2 Transmitter/ Modulator

The transmitter block diagram is shown in Figure 4-2. In the transmit mode, the VCO feeds a signal to the transmitter of the frequency selected in the “USE” display window on the front panel. The signal is amplified by the broadband transmitter to the 5 watts level and fed through the elliptic function 3 section low pass filter to the antenna.

Modulation is applied to the power amplifier by series modulating the 27.5 volt line (13.75 for KY 97A) with mic audio. A small amount of mic audio is also fed to the receiver audio amplifier for sidetone.

4.2.3 Stabilized Master Oscillator

The stabilized master oscillator (SMO) I103 generates the RF drive for the transmitter as well as the local oscillator for the receiver. The SMO synthesizes frequencies that are referenced to a 25 kHz signal derived from a 3.975 MHz crystal oscillator. Receive and transmit codes are fed to the synthesizer by the microprocessor (uP) and represent the frequency indicated in the “USE” window on the front panel.

4.2.4 Microprocessor and Display

Refer to microprocessor block diagram shown in Figure 4-3. The microprocessor (uP) contains 4 k bytes of permanent Read Only Memory (ROM) for program instruction. A 32 byte non-volatile memory is used externally for frequency information storage. The uP receives a 3.975 MHz clock signal from the synthesizer PLL IC which is derived from a 3.975 MHz crystal.

The uP sends a serial 24 bit code to the synthesizer PLL IC (last 20 bits used) to determine the reference divide ratio. A serial 24 bit code (last 20 bits used) is also sent to determine the divide ration of the “USE” frequency (when changed).

The increment/decrement switches send three pulses to the uP (up, pulse, down) in a specific sequence to provide the code and validity check for increment and decrement operations.

Display dimming controls are read through an analog to digital converter allowing the aircraft lighting bus to dim the display.

The LCD display viewing angle is controlled by I801, which controls the display bias, thereby controlling the display viewing angle based on inputs from R755, R802, and Q803.

4.3 DETAILED THEORY OF OPERATION

Refer to schematics in Section VI of this manual.

4.3.1 Receiver

4.3.1.1 Antenna Input Circuit

In the receive mode Q101 is switched on, forward biasing the T/R diodes located on the transmitter board. The desired signal passes through the first pole of the low pass filter, then to the T/R diodes, and then to the receiver board. C102 steps up the impedance to match the first pole of the preselector.

4.3.1.2 Double Tuned Preselector

The first pole of the preselector is tuned by L101, C103 and CR101A. The signal is coupled to the second pole of the preselector by L102. The second pole of the preselector is tuned by L103, C106 and CR101B. The matched varactor diodes, CR101A and CR101B, are tuned to the desired frequency through a large resistor from the VCO control voltage. The desired signal is coupled to gate 1of the RF amplifier by C107.

4.3.1.3 RF Amplifier Q102

Q102 and the associated parts make up the RF amplifier. The desired signal is applied to gate 1. The RF AGC is applied to gate 2. The RF amplifier has 20 dB of gain at maximum RF AGC voltage, and 30 dB of attenuation with minimum RF AGC voltage; producing a dynamic range of 50 dB. C114 couples the desired signal to the double tuned interstage.

4.3.1.4 Double Tuned Interstage Network

The first pole of the interstage network is tuned by L105, C115 and CR101C. The signal is coupled to the second pole of the interstage network by L106. The second pole of the preselector is tuned by L107, C118 and CR101D. The matched varactor diodes, CR101C and CR101D, are tuned to the desired frequency through a large resistor from the VCO control voltage. The desired signal is coupled to gate 1 of the mixer through L133.

4.3.1.5 Mixer Q103

Q103 and the associated parts make up the mixer. The local oscillator signal is fed to gate 2 at a frequency 11.4 MHz above the desired signal. The level of the local oscillator is between +4 dBm and +7 dBm. The desired signal is now at 11.4 MHz. The drain of Q103 is tuned to 11.4 MHz by T101 and matched to the crystal filter.

4.3.1.6 Crystal Filter FL101

The crystal filter provides the desired selectivity. The input and output of the filter is matched to 4100 ohms by T101 and T102 respectively.

4.3.1.7 First IF Amplifier I101

The desired signal is coupled from T102 to the first IF amplifier, I101. The first IF amplifier has about 45 dB of gain with 60 dB of dynamic range. IF AGC voltage is applied to I101 on pin 5 through R124. R124 converts the AGC voltage to an AGC current. The output is loaded with R245 for stability. T103 is tuned for 11.4 MHz and couples the signal to the second IF amplifier.

4.3.1.8 Second IF Amplifier I102

The second IF amplifier has about 45 dB of gain with 60 dB of dynamic range. IF AGC voltage is applied to I102 on pin 5 through R126. R126 converts the AGC voltage to an AGC current. The output is loaded with R246 for stability. T104 is tuned for 11.4 MHz and couples the signal to the detector.

4.3.1.9 Detector

Transistor Q105 and capacitor C130 makes up the amplitude modulation detector. It is biased near cutoff by transistor Q104, which the emitter-base junction provides bias stability and temperature compensation. The demodulated signal is sent to the noise amp, Q112, IF AGC, I105A, squelch gate, Q116, and to the demodulator buffer, Q131.

4.3.1.10 IF AGC Circuit

AGC voltage is derived from the average value of the detector collector voltage, which is inversely proportional to the carrier level. The operational amplifier I105A filters out the audio variations and integrates to the average voltage of the detector. R159 and R160 set the maximum gain reduction at about 6.6 volts. As the detector collector voltage increases with a decrease in signal level, the AGC voltage decreases which increases the gain in the first and second IF amplifiers. The IF AGC voltage is made available at TP105 and at the rear connector pin L. The AGC voltage at pin L is reduced by one diode drop (approx. 0.6 V).

4.3.1.11 RF AGC Circuit

The RF AGC voltage is applied to the RF amplifier from I105B. The RF AGC stays at maximum voltage (maximum gain of amp) until the RF signal level reaches about 12.5 uV. The level at which it attacks is set by R184. When the IF AGC voltage exceeds the reference voltage set by R184, the RF AGC voltage decreases, decreasing the gain in the RF amplifier. RF AGC is made available at TP106.

The RF AGC is gated with TX(not) through CR120A such that when the unit transmits, the RF AGC voltage goes to zero. This provides maximum attenuation in the RF amplifier during transmit.

4.3.1.12 Noise and Carrier Squelch Circuit

The carrier squelch circuit prevents the radio from squelching if an RF carrier greater than 12.5 uV has been detected. I106B compares the RF AGC voltage, which is inversely proportional to the carrier level, to the reference level set by R183 and R185. If the RF AGC voltage is greater than the reference level, then the unit is allowed to squelch; if the noise level is large enough. When the RF AGC voltage is less than the reference level, the output of I106B goes high; turning on Q140. When Q140 turns on,

the input signal to the noise amp is shorted to ground, causing the noise squelch circuit to be inhibited.

Transistor Q112 amplifies the noise from the collector of the detector and limits its amplitude so that impulse spikes (such as ignition noise) will not be of a higher amplitude than other noise. The output of Q112 is coupled to a 8 to 10 kHz bandpass filter, I106A. The output of the bandpass filter is fed to the comparator, I107A. The signal is compared to the reference level set by R176. When the noise signal is larger than the reference level the comparator goes high charging C166. If C166 is charged greater than half the supply voltage, then the unit will be squelched.

CR107A and CR110B will squelch the radio in transmit.

4.3.1.13 Squelch Gate

Q116, Q117 and associated parts make up the squelch gate. The audio signal comes from the detector at TP108; the detector biases Q116. When the unit is squelched the base of Q117 goes to the supply voltage and its emitter follows. Since the emitters of Q116 and Q117 are tied together, Q116 becomes reverse biased; attenuating the signal 70 dB.

4.3.1.14 Audio Low Pass Filter

Inductor L110 and its associated capacitors form a low pass elliptical filter. The filter is at least 20 dB down at 4 kHz and the notch is at least 25 dB down at 4.5 kHz. The filter does roll off below 350 Hz since the signal is AC coupled in and out of the filter. The low frequency roll off reduces 60 cycle hum.

4.3.1.15 Audio Compressor

The received signal is coupled through C178 to the input of the compressor amplifier, I111A. The output is fed to the volume control and to I111B. I111B will begin to discharge C179 when the amplitude to I111B exceeds the voltage across R210. Discharging C179 lowers the gate to source voltage on Q118, which reduces the drain to source resistance on Q118. As Q118 is turned on, the amplitude at C178 is reduced. This maintains a constant amplitude out of the compressor amplifier.

4.3.1.16 Audio Amplifier

The audio signal is routed through the volume control R902 to the audio amplifier, I112A. The signal is amplified approximately 30 dB and capacitive coupled through C187 to the auto-transformer, T107. The voltage and impedance are stepped up to provide a minimum of 100 mW of audio power into 500 ohm load; such as headphones or an audio panel. The sidetone, through R220, and the Mic intercom, through R218, are also amplified by the audio amplifier.

An optional 4 ohm audio amplifier provides 4 watts on 13.75 V units and 8 watts on 27.5 V units. See audio board section for more details.

4.3.2 Stabilized Master Oscillator (SMO)

4.3.2.1 Synthesizer

The stabilized master oscillator is based around synthesizer I103 which is serial programmable by the microprocessor.

A 3.975 MHz crystal is attached to the gate oscillator, and the reference divider divides it by 159 to produce the 25 kHz reference frequency. The RF frequency is divided by the internal pre-scaler and divider then compared by the phase detector to the reference frequency. If the frequency is greater than 25 kHz the phase detector will pulse up once every 40 usec. If the frequency is less than 25 kHz the phase detector will pulse down. The greater the divided frequency from the reference frequency the wider the phase detector pulse.

Q133, R137, and C135 integrates the lock detect pulses to send the lock detect signal to the microprocessor. The reference oscillator is lightly coupled to Q132 which amplifies the 3.975 MHz signal for the microprocessor and I705 on the processor board. The clock, data and strobe lines are driven from the microprocessor.

4.3.2.2 Voltage Translator

Q134, Q135, Q136, Q137 and their associated parts make up the voltage translator. The voltage translator translates from five volt pulse to nine volt pulse and inverts the logic of the pulses. The output of the phase detector is fed to the emitters of Q134 and Q135. The bases of Q134 and Q135 are biased to about 2 volts so that when the phase detector is tri-stated, Q134 and Q135 will be off. If the phase detector pulses low, Q134 will turn on causing Q136 to turn on and a 9 volt pulse to appear at the output of the voltage translator, TP110. If the phase detector pulses high, Q135 will turn on causing Q137 to turn on pulling the output to ground.

4.3.2.3 Low Pass Filter

The low pass filter is a lead/ lag network with a 2.5 kHz elliptical low pass filter with its notch at 25 kHz. C235 and C236 make up the elliptical filter. R279, R280, R281, and C237 make up the lead/ lag network. With this filter, the loop bandwidth is about 300 Hz and the 25 kHz notch is about 130 dB down. The control voltage is fed to the preselector through R136 and to the VCO through L132.

4.3.2.4 Voltage Controlled Oscillator (VCO)

Q108 and its associate parts form a modified Hartley oscillator. The varactor CR101E is part of a matched set of five varactors so the preselector will track the VCO. C149 determines the range of the tuning voltage, the smaller the capacitor the larger the tuning range must be to maintain the same frequency range. C249 and R299 provide bias stability. The tuning range is 118.00 MHz at 2.5 V and 151.375 MHz at 8.0 V.

4.3.2.5 VCO Buffer

Q109 and its associated parts form the VCO buffer. The VCO buffer provides isolation from the transmit buffers and the mixer as well as amplifying the signal to about +7 dBm to the mixer.

4.3.2.6 Digital Buffer

Q106, Q107 and their associated parts form the digital buffers. The VCO is very lightly coupled to the digital buffers through C147 so that noise from the pre-scaler will not get back to the VCO. The signal is coupled to the pre-scaler through C140 at about 500 mV.

4.3.2.7 Transmit Buffers

The transmit buffers contain two stages of amplification. The RF signal is coupled through C155 to Q110 and amplified. C157 couples the collector of Q110 to Q126. Q126 amplifies the signal to approximately 24 dBm. The signal is coupled through CR117 and C228 to create the transmit drive. The drive level is adjusted for different transmitters by the resistor R1006. Q111 and Q139 are turned off during receive allowing Q110 and Q126 to be reversed biased. Q127 is also turned off during receive preventing CR117 from being turned on. During receive the RF signal is reduced by 50 dB.

4.3.3 Modulator

4.3.3.1 Microphone Input Circuit

The microphone is connected to pin K of the rear panel connector. Mic bias is supplied by R114 and R223. The signal passes through C191 to the Mic Gain control. Q119 is turned on during transmit to pass the signal to the modulator compressor.

4.3.3.2 Modulator Compressor

The audio signal is coupled through C230 to the input of the compressor amplifier, I113A. The output is fed to the modulator amplifier, I113B will begin to discharge C198 when the output of the modulator exceeds the voltage across R267. Discharging C198 lowers the gate to source voltage on Q120, which reduces the drain to source resistance on Q120. As Q120 is turned on the amplitude at C230 is reduced. This maintains a constant amplitude out of the compressor amplifier. R267 set the modulation level. The bias network R257 and R267 is run off of the mod bias voltage, so that when the mod bias sags the modulation will decrease preventing distortion.

4.3.3.3 Modulator Amplifier

The output of the compressor amplifier is coupled to the modulator amplifier through C194. The output is coupled to the modulator through C196 and T108.

4.3.3.4 Modulator Bias

The modulator bias (mod bias) regulates the supply voltage to just below half the supply voltage. Q123 is the regulating transistor and on the 28 volt versions Q122 is used to buffer the regulating transistor. The KY 96A drops the modulator bias an additional 6.2 volts through CR123. R251, R254, and R256 set the regulated voltage, with R256 being adjustable. CR115 prevents overvoltage problems. RT101, R250, and R252 set the power reduction due to a thermal overload. When RT101 becomes hot, the resistance goes up reducing the voltage at E113, causing CR114 to turn on, and thus lowers the bias on Q123.

4.3.3.5 Modulator (14 Volts KY 97A)

The audio signal is applied to the primary of T108, which has a 4 to 1 turns ratio. This steps up the voltage swing on the modulator transistors Q124 and Q125 enough to make a 0 to 12 V swing to the transmitter final and driver. This output is also fed back to the modulator compressor. The mod bias is fed to the secondary of T108 providing the bias to Q125 with R247 being the current limit resistor.

4.3.3.6 Modulator (28 Volts KY 96A)

The audio signal is applied to the primary of T108, which has a 4 to 1 turns ratio. This steps up the voltage swing to the bases of the modulator transistors Q124 and Q130 enough to make a 1 to 12 V swing on the transmitter final and driver. This output is also fed back to the modulator compressor. The mod bias is fed to the secondary of T108 providing the bias to Q124 and Q130 with R247 being the current limit resistor.

4.3.4 Transmitter

4.3.4.1 RF Amplifier

RF is fed from the transmit buffers to the RF amp, on the transmitter board, through a miniature 50 ohm coaxial cable. The drive level is approximately 15 dBm. During receive the RF is attenuated as the TX(not) line goes high it turns on Q404 shorting the drive to ground and removing the bias from pin diode CR403 to “OPEN” the input to Q401. During transmit, the base current is supplied through R401 and CR403 to operate Q401 class A. Transformer T401 is broadband tuned and steps the collector impedance down to the input impedance of the driver.

4.3.4.2 Driver Q402

RF drive is fed through C412 and C437 to the driver, Q402. The driver is operated class C and the collector is modulated through T402. The collector is broadband tuned and is coupled to the final by T402.

4.3.4.3 Final

Capacitor C415, C416, and C440 form the input matching network for the final power amplifier, Q403. The final is operated class C and is modulated at the collector. The low collector output impedance is stepped up to approximately 50 ohms by transformer T403.

4.3.4.4 Low Pass Filter

A three section elliptical low pass filter is placed between the final and the antenna to attenuate all harmonics which may be generated in the transmitter. During transmit the T/R diodes CR401 and CR402 are reversed biased to protect the receiver from 5 watts of power.

4.3.5 Microprocessor

4.3.5.1 Communication to Synthesizer PLL I702

The microprocessor (uP), pin 32, sends two 24 bit serial data streams to the synthesizer PLL IC (I103) on the main board. Only the last 20 bits are used by the synthesizer PLL IC. The first stream provides the crystal divide ration and the second provides the frequency to be divided. Each data bit is clocked from pin 33 of the uP. At the end of each data stream, a high going strobe pulse is sent from pin 28 of the uP to latch the last 20 bits of data into the synthesizer PLL IC.

When the synthesizer is locked, pin 25 (Lock Detect) of uP is pulled high from the synthesizer PLL IC I103. If pin 29 (Mic key(not)) of uP is low, pin 22 (TX) of the uP is taken high to turn on the transmitter when synthesizer is in lock. The gate of Q701 must be pulled low for the uP to take TX high. Then TX is inverted through Q707 to turn on the transmitter.

4.3.5.2 Communication to Non-Volatile Memory

When the non-volatile memory (I704) is being addressed, pin 24 of the uP is high. When reading from the memory, a 16 bit serial code/ address stream is sent out on pin 32 of the uP, then a serial 16 bit data stream associated with the address is read back on pin 31 of the uP. When writing to the memory, a 16 bit serial code/ address stream followed by a 16 bit serial data stream associated with the address, are sent out of pin 32 of the uP. Only the last 9 bits of the 16 bit code/ address stream are used by the non-volatile memory. Each bit of the code/ address and data streams is clocked from pin 33 of the uP.

4.3.5.3 Communication to Analog to Digital Converter

When the analog to digital converter (A/D) (I706) is addressed, pin 23 of the uP is low. A serial 8 bit address stream is sent to the A/D from pin 32 of the uP requesting conversion data. Simutaneously, a serial 8 bit data stream of the last requested conversion data is received from the A/D on pin 31 of the uP. This makes communication full duplex. Only the first 4 bits of the address stream are used by the A/D. Each bit of the address and conversion data streams is clocked from pin 33 of the uP.

The A/D uses a system clock for its conversion time. The 496.875 kHz system clock is generated from I705, a binary counter. The 3.975 MHz clock signal (synthesizer PLL IC) on pin 1 of I705 is divided by 8, then output on pin 9 of I705.

4.3.5.4 Microprocessor Reset Circuit

During normal operation the output on pin 13 of I701A is 5 volts DC. The 5 volts DC on pin 40 (Vdd) of the uP, is produced through the 5 volt regulator I108 on the main board. On power up, the 9 volts on the input of I108 must reach 7.3 volts DC before 5 volts DC is produced on the output of I108. Therefore, on power up the uP (pin 1) is held in reset until the 9 volt DC reaches 7.9 volts DC. Pin 11 of I701A must reach 6.2 volts DC to accomplish this. On power down, the 9 volt DC must drop to 7.5 volts DC before the uP is put into reset.

4.3.5.5 Display

The display is a liquid crystal (LCD) type with three sections (“USE,” “STBY,” and “CHAN”). The “USE” frequency, which is the active frequency, is displayed in the “USE” window at all times. A standby frequency, which can be exchanged with the “USE” frequency, is displayed in the “STBY” window when in standby entry mode. When in channel or program mode, the channel frequency is displayed in the “STBY” window and the channel number is displayed in the “CHAN” window. When in channel mode the letters “CH” are displayed between the “CHAN” and “STBY” windows. When in program mode the letters “PG” are displayed to the left of the “STBY” window. The letters “TX” are displayed to the right of the “USE” window during transmit.

The uP I702 sends a 112 bit serial stream through pin 10 to pin 1 of I801 (LCD driver) on the display board. The serial stream contains backplane/ mode and segment information. Each bit is clocked through pin 11 of the uP I702.

The LCD display viewing angle is controlled by the bias provided by I801 to the display. The output of the voltage divider formed by R755, R801, and R802 is applied to the base of Q803. The collector of Q803 is connected to +5 Vdc, and the emitter is connected to I801 pin 12 which provides I801 with a reference voltage, which sets the bias level applied to the display by I801.

The display brightness is controlled in three different ways, dimming through the aircraft 14 or 28 Vdc lighting bus or half brightness all the time.

When the aircraft 14 Vdc lighting dimmer bus is selected, pins 7 and 9 of I702 are low and pin 8 of I702 is high. This turns on Q704 thereby pulling E705 low which supplies a ground to 3 of the 6 light bulbs for the LCD display backlighting. Q705 is off allowing the 14 Vdc lighting voltage to pass through CR703 to E704 to supply +14 Vdc across two sets of 3 light bulbs in series for the LCD display backlighting.

When the aircraft 14 Vdc Max lighting option is selected, pin 9 of I702 is low and pins 7 and 8 of I702 are high. This causes Q704 and Q705 to be on, placing E704 at ground and E704 at +14 Vdc.

When the aircraft 28 Vdc lighting dimmer bus is selected, pin 7, 8, and 9 of I702 are low. This causes Q709 to be on, placing E705 at +28 Vdc.

When the aircraft 28 Vdc Max lighting is selected, pins 7 and 8 of I702 are low and pin 9 of I702 is high. This causes Q702 to be on and Q709 to be on thereby pulling line E705 to +28 Vdc.

4.3.6 Audio Amplifier Board

The audio amplifier board consists of a summing amplifier and a 4 watt/ 8 watt amplifier.

I1201A and associated parts form the summing amplifier. Three 500 ohm auxiliary inputs are loaded by R1201, R1202, and R1203. The summing amplifier reduces the

auxiliary inputs to the desired level to be fed to the Mic Intercom input. C1207 filters high frequency noise and C1210 filters low frequency noise. The output of the summing amplifier is routed through the main board Mic Intercom input and back through the main board Comm Audio Out.

Comm Audio In goes through R1214 and is reduced by an inverting amplifier, I1201B, to prevent distortion through the FET switch, Q1202. The gate of Q1202 is pulled up by R1219 allowing Q1202 to pass the audio signal. When the TX line is grounded Q1202 turns off reducing the signal by al least 40 dB.

Q1203, Q1204, Q1205, Q1206, Q1207, and Q1208 form a trans-resistive amplifier with 18 dB of gain. The feedback resistor, R1237, provides 23 dB of desensitization to gain changes due to temperature or part variations. CR1202 and CR1203 reduce crossover distortion. C1219, C1220, C1227, and C1221 reduce the gain above the audio passband to prevent oscillation. The audio drivers, Q1207 and Q1208, provide a minimum of 4 watts for 13.75 V units and 8 watts for 27.5 V units into a 4 ohm load. The output is fused by F1201 to protect the drivers. R1238 is in parallel with the fuse to provide residual audio in case the fuse blows.

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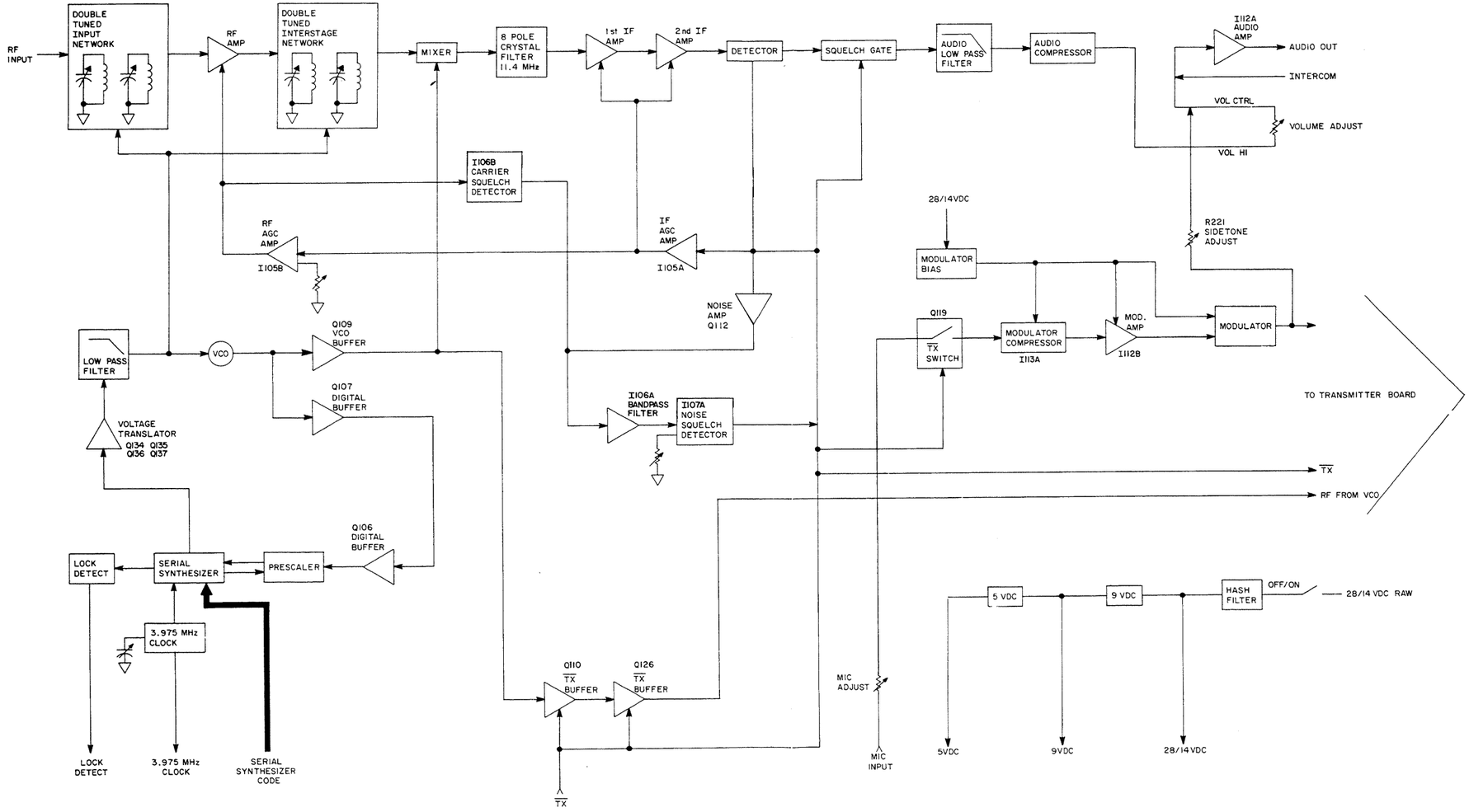


FIGURE 4-1 Receiver Block Diagram
(Dwg No 696-5674-01 Rev 0)

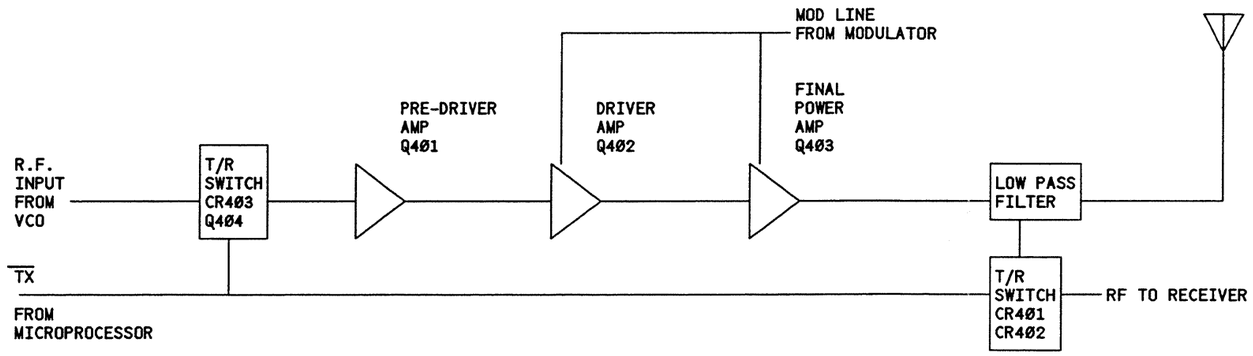


FIGURE 4-2 Transmitter Block Diagram
(Dwg No 696-5674-02 Rev 0)

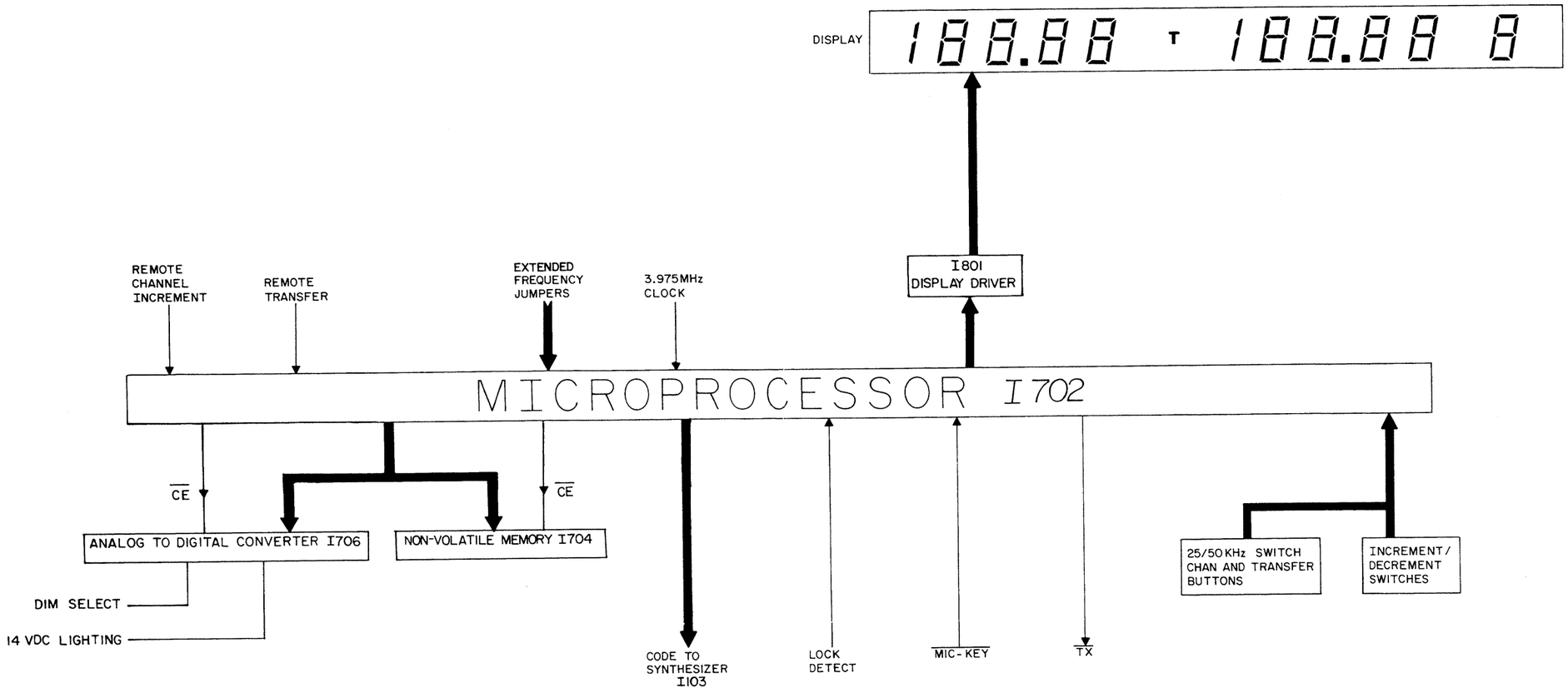


FIGURE 4-3 Microprocessor Block Diagram
(Dwg No 696-5674-03 Rev 0)

SECTION V
MAINTENANCE

5.1 GENERAL INFORMATION

This section contains information on tests, alignment, inspection, cleaning, repair and troubleshooting procedures for the KY 96A, KY 97A.

Before maintenance of the KY 96A, KY 97A is attempted, a thorough understanding of the theory of operation (Section IV) is recommended.

5.1.1 Standard Test Signal Description

5.1.1.A. "Hard" microvolts indicates use of a 6dB pad between the signal generator and the receiver. (Example: A receiver with 6 dB S+N/N at 2 uV hard must have 1 uV of sensitivity).

5.1.1.B. A standard modulator test signal is a 0.4 Vrms, 1 kHz tone, open circuit, with the network shown in Figure 5-3.

5.1.1.C. A standard audio test signal is an RF carrier amplitude modulated 30% at 1,000 +/- 100 Hz.

5.2 TEST EQUIPMENT

5.2.1 REQUIRED TEST EQUIPMENT

The following test equipment, or equivalent, is required to properly align and test the KY 96A, KY 97A. All test equipment must be calibrated before attempting alignment.

TABLE 5-1 Required Test Equipment

TYPE	CHARACTERISTICS	REPRESENTATIVE MODELS
Power Supply	27.5 V @ 6 amps	Sorensen SRL 40-6 or equivalent.
RF Signal Generator		Boonton Model 211A or equivalent
Audio Signal Generator		HP 200CD
Digital Multimeter		Fluke 8000A
RF Wattmeter		Bird Model 611
Frequency Counter		HP 5245L
Audio Wattmeter with Load		Eico Model 261
Oscilloscope		Tektronix Model 454 or equivalent
RF Signal Generator		HP 606A

TABLE 5-1 Required Test Equipment

TYPE	CHARACTERISTICS	REPRESENTATIVE MODELS
Linear Detector		Figure 5-2
Mic Test Circuit		Figure 5-3
40 dB Attenuator		Figure 5-4
Bench Test Harness		Figure 5-5

TABLE 5-2 Optional Test Equipment

TYPE	CHARACTERISTICS	REPRESENTATIVE MODELS
Distortion Analyzer		

5.2.2 TEST EQUIPMENT SETUP

Connect test equipment according to Figure 5-1.

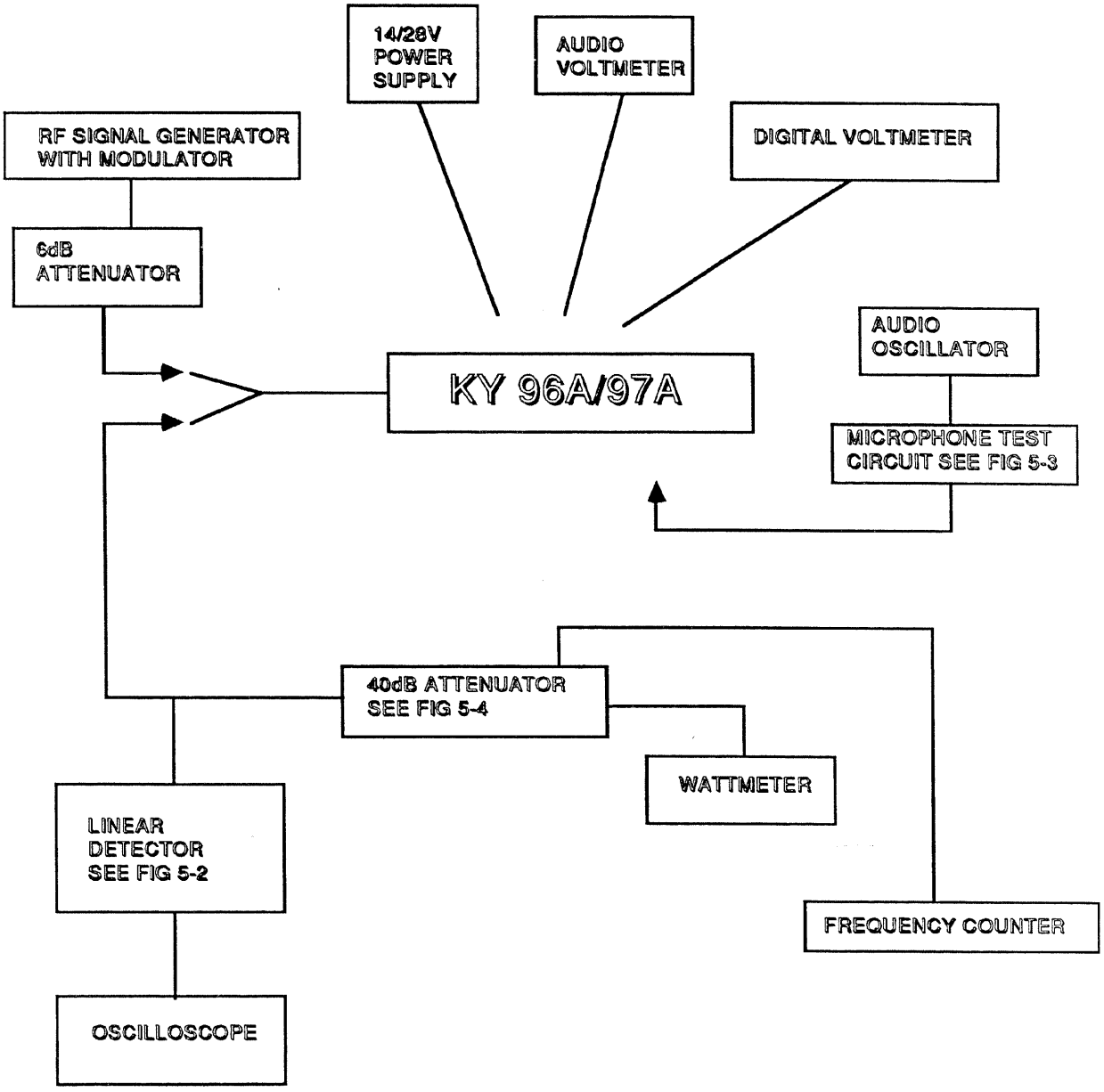


FIGURE 5-1 Typical Test Equipment Setup

5.3 PERFORMANCE TEST PROCEDURE

This section is a cover on return-to-service performance test. The unit shall pass this performance test after removal of covers, modification, alignment, or repair of the unit before return to service. The performance test can also be used to locate faults within the radio.

TEST DATA SHEET Serial No. _____

5.3.1 Control Functions

NOTE: The term “OK” indicates that particular function is operating properly.

5.3.1.A. Display: ___OK viewing angle (straight on).

5.3.1.B. Frequency Controls:

Increment	Roll Over Characteristics	Decrement	Roll Under Characteristics
MHz___OK	135 to 118 MHz	MHz___OK	118 to 135 MHz
	136 to 118 MHz		118 to 136 MHz
kHz___OK	0.975 to 0.000 kHz	kHz___OK	0.000 to 0.975 kHz

5.3.1.C. Transfer Button: ___OK (switches from an active to standby frequency).

5.3.1.D. Remote Transfer: ___OK (switches from an active to standby frequency).

5.3.1.E. Chan Button: ___OK (enters channel mode).

5.3.1.F. Remote Channel Increment: ___OK (increments channel).

5.3.1.G. Program Secure: Channel program secured ___OK.
Channel un-program secured ___OK.

5.3.1.H. Dim Select:

open position ___OK (Display brightness follows 13.75 V lighting bus).

grounded position ___OK (Display brightness follows 27.5 V lighting bus).

aircraft supply position ___OK (Display at half brightness).

5.3.1.I. Memory: ___OK.

When unit is turned “OFF” and then back “ON” that the last display status is the same.

5.3.1.J. 25 kHz Switch: ___OK

The 25 kHz switch increments in steps of 25 kHz.

5.3.2 Receiver

NOTE: Disable the audio compressor by grounding pin 10 on P96A1, P97A1.

5.3.2.A. Sensitivity:

5.3.2.A.1 Input a 2 uV standard audio test signal into the unit and monitor receiver audio while switching modulation off.

S+N/N: 118.000 MHz _____ NLT 6dB
126.975 MHz _____ NLT 6dB
135.975 MHz _____ NLT 6dB
[136.975 MHz] _____ NLT 6dB

5.3.2.A.2 Input a 100 uV standard audio test signal into the unit and monitor receiver audio while switching modulation off.

Quieting: 126.975 MHz _____NLT 25 dB S+N/N.

5.3.2.B. AGC Characteristics: 126.975 MHz _____ NMT 3 dB

With a standard audio test signal vary from 5 uV to 20,000 uV.

5.3.2.C. Selectivity:

Using the AGC voltage produced by a 3 uV standard signal reference, measure and record the frequencies which reproduce the AGC REF voltage at 6 dB and 60 dB above the reference input.

5.3.2.C.1 6 dB Bandwidth:

126.975 MHz:

Above	___ ≥ 126.985 MHz	Below ___ ≤ 126.965 MHz - 25 kHz units
	___ ≥ 126.9895 MHz	___ ≤ 126.9605 MHz - 50 kHz units

5.3.2.C.2 60 dB Bandwidth:

126.975 MHz:

Above	___ ≥ 126.995 MHz	Below ___ ≤ 126.955 MHz - 25 kHz units
	___ ≥ 127.015 MHz	___ ≤ 126.935 MHz - 50 kHz units

5.3.2.D. Volume Gain Control: Min___NMT 22mV Max___NLT 7.07V into 500 ohms

With Audio Amp board installed Max___NLT 4.5V into 500 ohms

Input a 100 uV standard audio test signal into the unit. Disable squelch by pulling the volume knob out and monitor the audio output.

5.3.2.E. Audio Distortion: (Optional)

350 Hz = ___NMT 15% 1 kHz = ___NMT 15% 2.5 kHz = ___NMT 15%

Input a 100 uV 85% modulated signal between 350 Hz and 2500 Hz. The distortion shall be not more than 15% at 7.07 Vrms into 500 ohms. Modulation

is referenced to 1 kHz, compressor enabled. (This is an optional test that requires a distortion analyzer).

5.3.2.F. Audio Response:

350 Hz = ___NMT 6dB down 1 kHz = ___ 0dB 2.5 kHz = ___NMT 6dB down

Input a 100 uV standard audio test signal into the unit. Disable the audio compressor by grounding pin 10 on P96A1, P97A1. Monitor the receiver output.

5.3.2.G. Compressor: _____NMT +/- 3 dB

Input a 100 uV standard audio test signal into the unit. Vary the modulation from 30% to 85%.

5.3.2.H. Squelch:

NOTE: Squelch adjustments must be performed in the following order:

5.3.2.H.1 Set the unit to 126.975 MHz.

5.3.2.H.2 Carrier/Noise Squelch set to open at 2 uV (+1 uV, -0.5 uV) and close at NMT 4 dB below the squelch opening.

5.3.2.H.3 Carrier/Noise Squelch _____OK.

5.3.2.H.4 With unit set to 126.975 MHz, input an 8 kHz 85% modulated signal into the unit. Set the carrier squelch to open at +/- 12.5 uV.

5.3.2.H.5 Carrier Squelch _____OK.

5.3.2.H.6 Intercom: _____ NLT 100 mW into 500 ohm.

Input a 100 mV 1 kHz signal into Mic Intercom, pin K of P96A1, P97A1.

5.3.3 Transmitter

5.3.3.A. RF Power Output:

Connect a wattmeter to the antenna output and record the following unmodulated values.

Set A + input to _____ 13.75 Vdc @ pin 11_____
27.5 Vdc @ pin 12 _____

118.00 MHz _____ 5.0 watts Min. 13.75 V units
_____ 5.0 watts Min. 27.5 V units

126.97 MHz _____ 5.0 watts Min. 13.75 V units
_____ 5.0 watts Min. 27.5 V units

135.97 MHz _____ 5.0 watts Min. 13.75 V units
_____ 5.0 watts Min. 27.5 V units

After 2 minutes continuous key:

NOTE: Units with Mic-key Disable will shut down transmitter after 2 minutes. To extend transmit time re-key transmitter.

118.00 MHz _____ 1.25 watts Min. 13.75 V units
_____ 1.25 watts Min. 27.5 V units

126.97 MHz _____ 1.25 watts Min. 13.75 V units
_____ 1.25 watts Min. 27.5 V units

135.97 MHz _____ 1.25 watts Min. 13.75 V units
_____ 1.25 watts Min. 27.5 V units

Low Voltage:

With a low line voltage input the following values should be observed:

22 Vdc for 27.5 V units
11 Vdc for 13.75 V units

118.00 MHz _____ 1.25 watts Min. 13.75 V units
_____ 1.25 watts Min. 27.5 V units

126.97 MHz _____ 1.25 watts Min. 13.75 V units
_____ 1.25 watts Min. 27.5 V units

135.97 MHz _____ 1.25 watts Min. 13.75 V units
_____ 1.25 watts Min. 27.5 V units

5.3.3.B. Modulation Capability:

Input a standard modulator test signal into the microphone audio. Using the linear detector, measure the Tx modulation.

5.3.3.B.1 118.000 MHz _____ NLT 70%
126.97 MHz _____ NLT 70%
135.97 MHz _____ NLT 70%

5.3.3.B.2 Carrier Noise Level:

Modulate the carrier with 70% at 1000 Hz.
Noise on the carrier with modulation removed shall be NLT:

118.00 MHz ___ 40dB 126.97 MHz ___ 40dB 135.95 MHz ___ 40dB

5.3.3.B.3 Demodulated Audio Distortion (Optional):

350 Hz = ___ 15% Max 1 kHz = ___ 15% Max 2.5 kHz = ___ 15% Max

(This is an optional test that requires a distortion analyzer).

5.3.3.B.4 Sidetone Audio Response:

350 Hz = ___NMT 6dB down 1 kHz = ___ 0 2.5 kHz = ___NMT 6dB down

Input a standard modulator signal, except voltage is 0.2 Vrms, into Mic Audio. Monitor the audio output.

5.3.3.B.5 Demodulated Audio Response:

350 Hz = ___NMT 6dB down 1 kHz = ___ 0 2.5 kHz = ___NMT 6dB down

Input a standard modulator signal, except voltage is 0.2 Vrms, into Mic Audio. Observe the demodulated RF output from the linear detector on an audio wattmeter.

5.3.3.C. Frequency Stability: _____ NMT +/- 200 Hz

Measured after 2 hours “OFF” period.

5.3.4 Audio Amplifier

5.3.4.A. Mute: _____ NLT 40 dB down

With the volume control at minimum and a 1 kHz 4.47 V audio signal applied to AUX1 audio input when the PTT input is NMT + 0.5 volts.

5.3.4.B. Audio Output Power:

5.3.4.B.1 Comm _____ (4 W min/ 13.75 V unit, 8 W min/ 27.5 V unit)

Insert a 100 uV RF carrier modulated 30% at 1 kHz into the unit. Monitor the 4 ohm audio output.

5.3.4.B.2 Aux1 _____ (4 W min/ 13.75 V unit, 8 W min/ 27.5 V unit)

Insert a 1 kHz 4.47 V (40 mW @ 500 ohms) for 27.5 V units, 3.16 V (20 mW @ 500 ohms) for 13.75 V units, audio signal into the Aux1 input. With the volume control at minimum, monitor the 4 ohm audio output.

5.3.4.B.3 Aux2 _____ (4 W min/ 13.75 V unit, 8 W min/ 27.5 V unit)

Insert a 1 kHz 4.47 V (40 mW @ 500 ohms) for 27.5 V units, 3.16 V (20 mW @ 500 ohms) for 13.75 V units, audio signal into the Aux2 input. With the volume control at minimum, monitor the 4 ohm audio output.

5.3.4.B.4 Aux3 _____ (4 W min/ 13.75 V unit, 8 W min/ 27.5 V unit)

Insert a 1 kHz 4.47 V (40 mW @ 500 ohms) for 27.5 V units, 3.16 V (20 mW @ 500 ohms) for 13.75 V units, audio signal into the Aux3 input. With the volume control at minimum, monitor the 4 ohm audio output.

5.3.4.C. Quieting: S+N/N _____ dB (NLT 25 dB)

Input a 100 uV standard audio test signal into the unit. Disable the compressor by grounding pin 10 of J97A1, J96A1. Monitor the 4 ohm audio output while removing modulation.

5.3.4.D. Audio Frequency Response:

5.3.4.D.1	Comm	350 Hz	_____ dB
		1 kHz	_____ dB
		2.5 kHz	_____ dB

Input a 100 uV standard audio test signal into the unit.

5.3.4.D.2	Aux1	350 Hz	_____ dB
		1 kHz	_____ dB
		2.5 kHz	_____ dB

Insert a 1 kHz 4.47 V (40 mW @ 500 ohms) audio signal into the Aux1 input.

5.3.4.E. Audio Distortion: (Optional test requiring distortion analyzer)

5.3.4.E.1	Comm	350 Hz	_____ % (NMT 15%)
		1 kHz	_____ % (NMT 15%)
		2.5 kHz	_____ % (NMT 15%)
5.3.4.E.2	Aux1	350 Hz	_____ % (NMT 15%)
		1 kHz	_____ % (NMT 15%)
		2.5 kHz	_____ % (NMT 15%)

5.4 ALIGNMENT PROCEDURE

The following procedure is for aligning a KY 96A, KY 97A to meet the minimum performance specifications. If partial alignment is desired, use only the initial control settings that apply to the section being aligned.

5.4.1 Initial Control Settings

R176	Noise Squelch	Max CW
R267	Modulation	Max CW
R184	RF AGC	Max CCW
R221	Sidetone	Mid Range
R1009	Mic Gain	Mid Range
R801	Volume Control	Max CCW (off)
R801	Squelch Test Switch	Out (test position)

5.4.2 Voltage Regulator Test

Connect the unit to RF load and apply power. Advance the volume control R802 (R902) CW to turn on and set to MID-RANGE.

5.4.2.A. Read the voltage at TP103 and adjust R189 for 9 volts +/- 0.1 volt.

5.4.2.B. Read the voltage at TP104 and observe 5.0 volts +/- 0.25 volt.

5.4.3 VCO Adjust

Set frequency to 135.975 MHz and put unit in transmit mode.

Adjust the Tx frequency to 135.975 MHz using C134. This should be done within 60 seconds of turn on.

Put unit in receive mode. Read voltage at TP102 and adjust T105 for 7.1 volts.

5.4.4 Viewing Angle Adjust

The viewing angle adjust is accessible through an opening on the left side of the unit front panel. The viewing angle adjust is operator adjustable, and is to be set for optimum display viewing angle by the operator. No alignment is necessary for unit maintenance or repair.

5.4.5 Transmitter

5.4.5.1 Power Set

Adjust R256 to obtain minimum rated power across the band, unmodulated. Adjust C418 for minimum power variation across the band.

KY 96A 5 watts
KY 97A 5 watts

5.4.5.2 Modulator Adjust

Set the frequency selector to 128.50 MHz. Apply a 0.4 volt 1 kHz standard test signal to the microphone input and key the transmitter.

Observe the demodulated RF output from the linear detector on an oscilloscope and adjust R1009 for 85% modulation.

Adjust R267 for 70% modulation. Check 118.00 MHz and 135.975 MHz and re-adjust only if the modulation is lower than 70%.

5.4.5.3 Sidetone Adjust

Apply a 0.4 volt 1 kHz standard test signal to the microphone input and key the transmitter. Adjust R221 for 4 mW of audio into a 500 ohm load.

5.4.6 Receiver Alignment

5.4.6.1 RF/IF Alignment

The following alignment is to be made at 128.50 MHz. Connect the unit to the RF signal generator through a 6 dB pad. Turn unit on with squelch and compressor disabled and apply sufficient RF signal for approximately 4.75 volts dc at TP105.

Load and tune L101, L103, L105 and L107 using a 220 ohm resistor from the top of each tank to ground in the following sequence.

Load L103 tune L101
Load L101 tune L103

Load L107 tune L105
Load L105 tune L107

Adjust T101, T102, T103, and T104 for maximum ACG voltage. During the above adjustments, the RF signal should be reduced to keep the AGC voltage near 4.75 volts.

5.4.6.2 Noise Squelch Adjustments

Apply 2.0 uV (Hard) of RF modulated 30% with 1 kHz and adjust R176 CW until the receiver just breaks squelch (audio present).

5.4.6.3 Carrier Squelch Adjustments

Apply a 128.50 MHz, 12.5 uV (Hard) signal into the antenna connector modulated 85% at 8 kHz and slowly adjust R184 until squelch just breaks (audio present).

5.4.6.4 Climax Filter Adjustments

Apply a 128.50 MHz, 100 uV (Hard) signal modulated 85% at 4.5 kHz. Disable the compressor/ squelch. Monitor the audio output with an audio wattmeter. Adjust L110 for minimum output (Null).

5.5 OVERHAUL

5.5.1 Visual Inspection

The following visual inspection procedures should be performed during the course of maintenance operations.

5.5.1.1 Inspect all wiring for frayed, loose, cracked, or burned wires.

5.5.1.2 Check that cable connections are free of corrosion and are properly secured.

5.5.1.3 Check all components for evidence of overheating, breakage, vibration, corrosion, or loose connections.

5.5.1.4 Check all capacitors and transformers for leaks, bulges, or loose connections.

5.5.1.5 Inspect relay and switch contacts for pits or arcing.

5.5.2 Cleaning

5.5.2.1 Use a clean, lint-free cloth, lightly moistened with an approved cleaning agent to remove foreign matter from the unit case and front panel. Wipe dry with a clean, dry, lint-free cloth.

5.5.2.2 Use a hand controlled dry air jet (not more than 15 psi) to blow the dust from inaccessible areas.

5.5.2.3 Clean electrical contacts with a burnishing tool or cloth lightly moistened with an approved contact cleaner.

5.5.2.4 Clean the receptacles and plugs with a hand controlled dry air jet (not more than 25 psi) and a clean, lint-free cloth, lightly moistened with an approved cleaning agent. Wipe dry with a clean, dry, lint-free cloth.

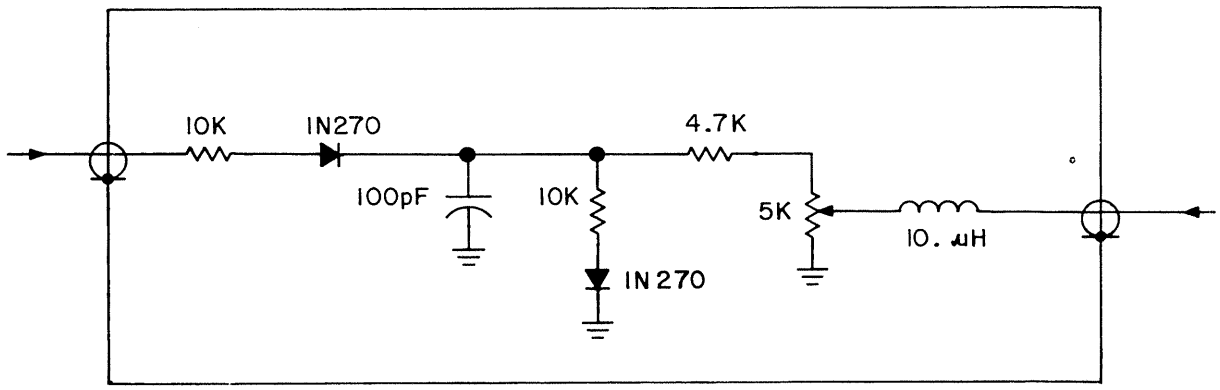


FIGURE 5-2 Linear Detector

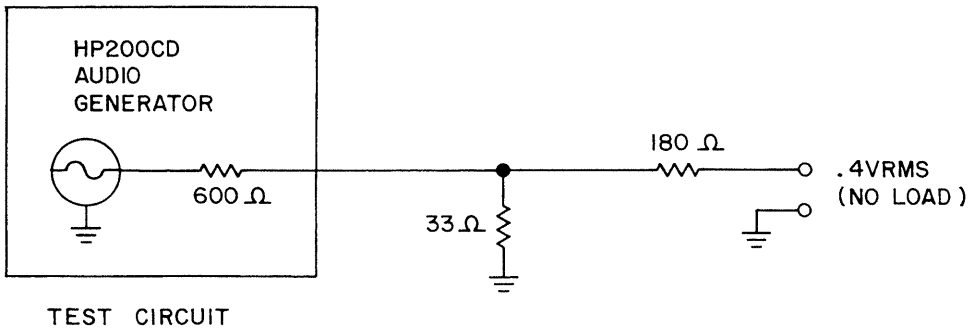


FIGURE 5-3 Mic Test Circuit

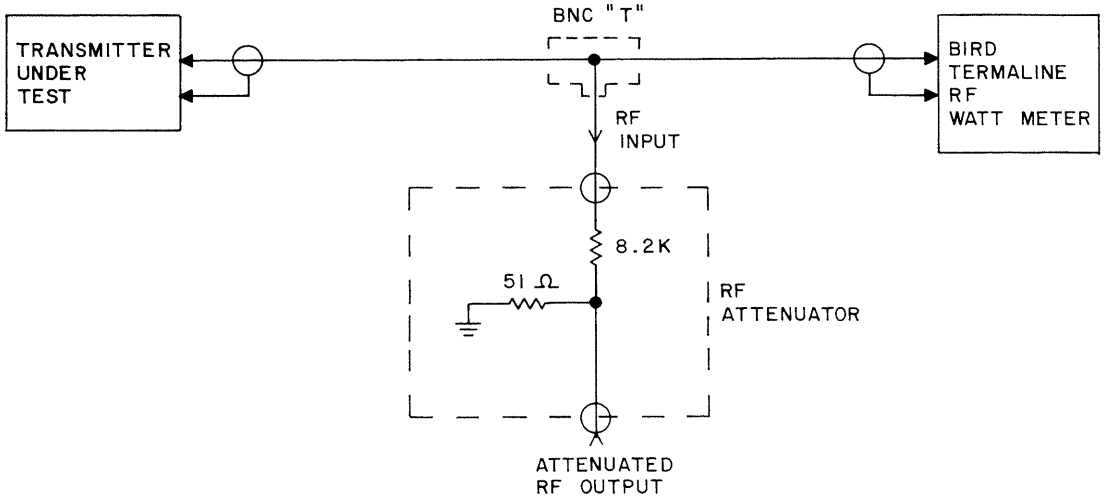


FIGURE 5-4 40 dB Attenuator

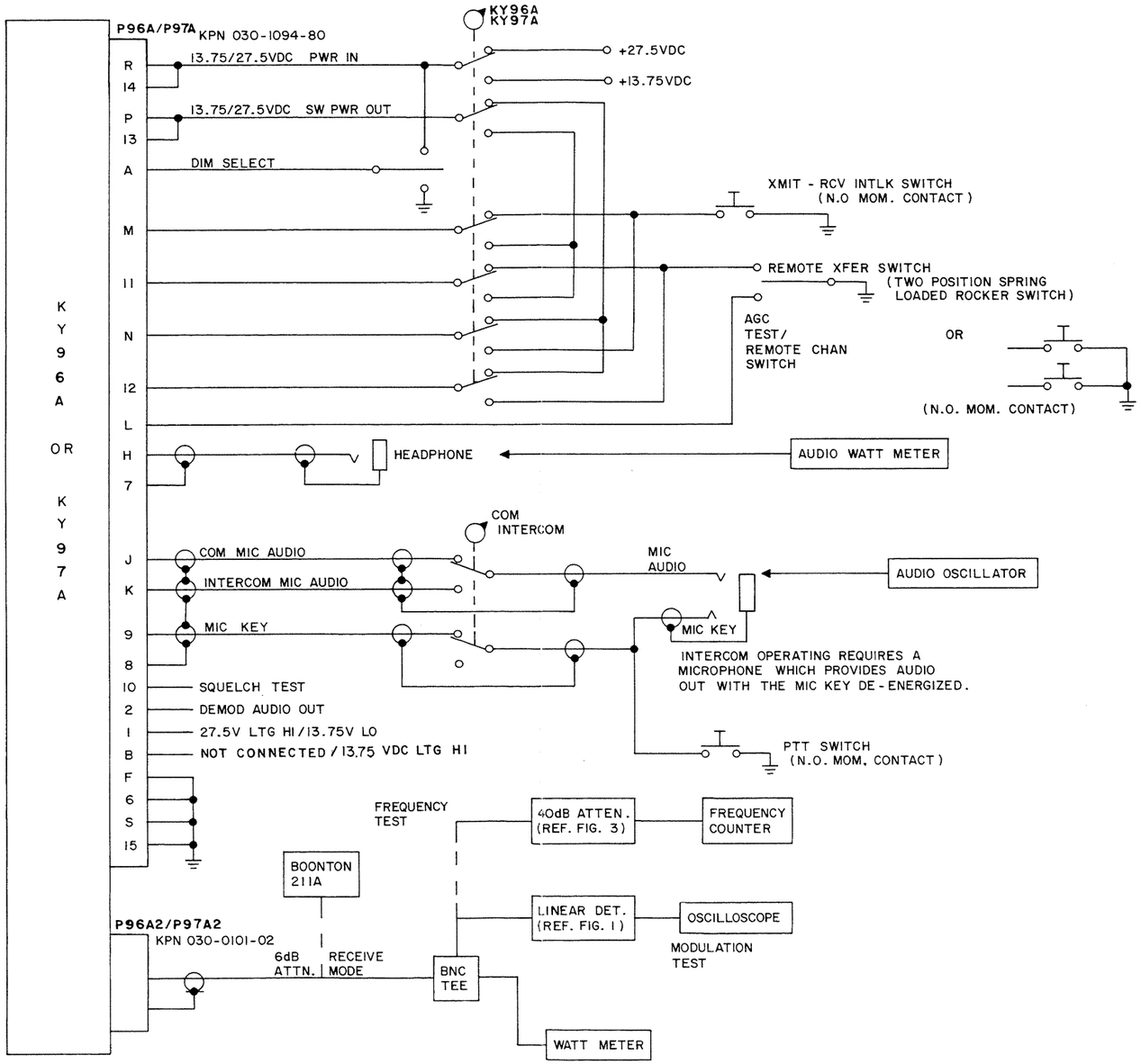


FIGURE 5-5 Bench Test Harness

SECTION VI
ILLUSTRATED PARTS LIST

6.1 INTRODUCTION

The Illustrated Parts List (IPL) contains parts lists of assemblies and discrete components required for the unit. The IPL provides the proper identification and part number of each replacement part. The IPL starts with the top assembly and continues in sequence with the sub-assembly parts lists. Mechanical parts are grouped separately from electrical parts on each sub-assembly parts list. Each parts list is followed by the assembly drawing for that assembly. Parts lists may also be called “bills of material” or “BOM.” Parts identified in this IPL meet design specifications for this equipment and are recommended replacement parts. Warranty information concerning replacement parts is contained in Service Memo #1, P/N 600-08001-00XX.

6.2 BILL OF MATERIAL DESCRIPTION

This section describes the various items that may appear on parts lists. Refer to figure 6-0 for the parts list format.

6.2.1 PARTS LIST (ASSEMBLY) NUMBER

Each parts list is labeled with the assembly part number at the top of the list. The assembly number is followed by the assembly description and the revision level of the parts list.

6.2.2 SYMBOL COLUMN

The symbol column contains the reference designators of electrical components on the assembly. Some mechanical parts and assembly supplies may be assigned the ITM designator. Reference documents may be assigned the REF designator. The reference designator contains a letter abbreviation to indicate the type of component, and the sequence number assigned to that part (C101, Q101, etc.). Common reference designator abbreviations are listed in Table 6-1.

Table 6-1: Reference Designator Abbreviations

B	Motor, Synchro
C	Capacitor
CF	Capacitor Filter
CJ	Circuit Jumper
CQ	Capacitor
CR	Diode
D	Diode
DS	Lamp
E	Terminal, Connect Point
F	Fuse

Table 6-1: Reference Designator Abbreviations

FB	Ferrite Bead
FL	Filter
FT	Feedthru
I	Integrated Circuit
ITM	Item (Non-electrical)
J	Jack, Fixed Connector
K	Relay
L	Inductor
M	Meter, Transistor
MX	Mixer
P	Plug, Removable Connector
Q	Transistor
R	Resistor
REF	Reference Document
RP	Resistor Network
RT	Thermistor
RV	Varistor
S	Switch
SK	Socket
SW	Switch
T	Transformer
TJ	Terminal Jack
TP	Test Point
U	Integrated Circuit, Circuit Assembly, Component Network (Resistor, Capacitor, Inductor, Transistor, Diode)
V	Photocell, Vacuum Tube, Varistor
WG	Waveguide
Y	Crystal

6.2.3 PART NUMBER COLUMN

The part number column contains the Honeywell part number for each part. Special purpose part number series may appear in the parts list and are described below.

6.2.3.1 U401 122-XXXXX-9999 PLACE HOLDER

Circuit U401 is a programmed device with a -9999 place holder. Its true part number is contained on the next higher 125- P/N or 126- P/N software configuration. Refer to Section 6.3, Software Documentation, in this introduction, for a description of the software documentation system.

6.2.3.2 U402 999-09999-0090 REF SFTWARE SET

Circuit U402 is a programmed device. Its true part number is contained on the next higher 125- P/N or 126- P/N software configuration. Refer to Section 6.3, Software Documentation, in this introduction, for a description of the software documentation system.

6.2.3.3 CR401 999-09999-0096 RESERVED

Reference designator CR401 has been reserved for future use. The assembly does not currently include a CR401.

6.2.3.4 CR401 999-09999-0097 SEE NEXT ASSEMBLY

Diode CR401 is a part of the electrical circuit, but due to assembly or testing requirements, is actually assigned to the next assembly.

6.2.3.5 CR401 999-09999-0098 NOT USED

Reference designator CR401 is available for future assignment. The assembly does not currently include a CR401.

6.2.3.6 CR401 999-09999-0099 DO NOT USE

Reference designator CR401 has been previously used on this assembly and later deleted. It may not be reassigned on this assembly.

6.2.4 FIND_NO COLUMN

This column lists the find (item) number of a part. Find numbers of mechanical parts may appear on the assembly drawing. Find numbers of electrical parts do not appear on the assembly drawing. Find numbers are not assigned to every part and missing information in this column is not an error.

6.2.5 DESCRIPTION COLUMN

This column describes each part in the assembly. Common abbreviations in the description column are listed in Table 6-2.

Table 6-2: Description Abbreviations

A	Ampere
ADC	Analog to Digital Converter
ADJ	Adjustable
AL, ALUM	Aluminum

Table 6-2: Description Abbreviations

AMP	Ampere, Amplifier
ANT	Antenna
ASSY	Assembly
BD	Board
BI	Two
BIFLR	Bifilar
BLK	Black
BLU	Blue
BOM	Bill of Material (= Parts List)
BRN	Brown
CA	Cable
CC	Carbon Composite
CF	Carbon Film
CH	Chip, Choke
CAP	Capacitor
CER, CR	Ceramic
CKT	Circuit
CNTCT	Contact
CONN	Connector
CVR	Cover
DAC	Digital to Analog Converter
DBL	Double
DC	Disc Ceramic
DIO	Diode
DPDT	Double Pole Double Throw
DPST	Double Pole Single Throw
DUAL, DUO	Two
DWG	Drawing
EL	Electrolytic
EW	Eighth Watt

Table 6-2: Description Abbreviations

FC	Fixed Composition
FERR	Ferrite
FET	Field Effect Transistor
FHP	Flat Head Phillips
FLTR	Filter
FREQ	Frequency
FT	Feedthru
GHZ	Gigahertz
GND	Ground
GRN	Green
GRY	Gray
HDR	Header
HDW	Hardware
HEX	Six
HF	High Frequency
HV	High Voltage
HW	Half Watt
H/W	Hardware
IC	Integrated Circuit
ID, IDT	Identification
IF	Intermediate Frequency
IND	Inductor
INTER	Interconnect
INTL	Internal
I/O	In/Out
ITM	Item
KHZ	Kilohertz
LCK, LK	Lock
LED	Light Emitting Diode
LSI	Large Scale Integrated Circuit

Table 6-2: Description Abbreviations

MA	Milliamp
MC	Monolithic Ceramic
MF	Microfarad
MH	Millihenry
MHZ	Megahertz
MOD	Modification
MOS	Metal Oxide Semiconductor
MPS	Minimum Performance Specification
MY	Mylar
NF	Nanofarad
NPN	Negative-Positive-Negative transistor type
OCTAL	Eight
OP AMP	Operational Amplifier
ORG, ORN	Orange
OSC	Oscillator
PA	Power Amplifier
PC	Polycarbonate, Printed Circuit
PCB, PCBD	Printed Circuit Board
PENTA	Five
PF	Precision Film, Picofarad
PHP	Pan Head Phillips
PKG	Package
P/L	Parts List
PLD	Programmable Logic Device
PLL	Phase-Locked Loop
PLT	Plate
P/N	Part Number
PNP	Positive-Negative-Positive transistor type
POS	Positive, Position
PP	Paper

Table 6-2: Description Abbreviations

PRGA	Programmable Gate Array
PROM	Programmable Read Only Memory
PS	Polystyrene, Power Supply
PWR	Power
QUAD	Four
QW	Quarter Watt
RAM	Random Access Memory
RCVR	Receiver
RECPT	Receptacle
REF	Reference
REG	Regulator
RES	Resistor
RF	Radio Frequency
ROM	Read Only Memory
RX	Receive, Receiver
S	Silicon
SCH	Schematic
SCR	Screw
SFTWR	Software
SM	Silver Mica, Surface Mount
SMD	Surface Mount Device
SMT	Surface Mount Technology
S/N	Serial Number
SO, SOT	Small Outline
SPDT	Single Pole Double Throw
SPST	Single Pole Single Throw
SRAM	Synchronous Random Access Memory
STDF	Standoff
SW	Switch
S/W	Software

Table 6-2: Description Abbreviations

SYN	Synthesizer
SYNC	Synchronizer
SYS	System
TCXO	Temperature Controlled Crystal Oscillator
TERM	Terminal
TN	Tantalum
TP	Test Point
TRI	Three
TRML	Terminal
TRNSB	Transorber
TST PT	Test Point
TURR	Turret
TW	Tenth Watt
TX	Transmit, Transmitter
U	Integrated Circuit
UA	Microamp
UF	Microfarad
UH	Microhenry
UHF	Ultra High Frequency
UP	Microprocessor
V	Volt
VA, VAR	Variable
VCO	Voltage Controlled Oscillator
VIO	Violet
VHF	Very High Frequency
VLT	Voltage
W	Watt
W/	With, Width
WHT	White
WW	Wire Wound

Table 6-2: Description Abbreviations

WX	Weather
XFMR	Transformer
XMIT	Transmit, Transmitter
XSTR	Transistor
XTAL	Crystal
YEL	Yellow
Z	Zener

6.2.6 ASSEMBLY (A) COLUMN

An “A” in this column indicates that the part is a sub-assembly. Each sub-assembly has a separate parts lists following the parent assembly. If the sub-assembly is a “COMMON BOM” with a -9900, -0099, or -9999 suffix, the parts for that common assembly are included in the parent assembly parts list as a separate column.

6.2.7 UNIT OF MEASURE (UM) COLUMN

This column indicates the unit of measure for each part. Common abbreviations found in this column are listed in Table 6-3.

Table 6-3: Unit of Measure Abbreviations

AR	As Required
EA	Each
FT	Foot
IN	Inch
RF	Reference Only

6.2.8 VERSION AND QUANTITY COLUMN

Individual versions of an assembly are identified by the last four digits of the P/N. The quantity of parts for individual versions are listed in separate version columns -0000 through -9999. The parts indicated in -0099, -9900, or -9999 version columns are common to all versions of the assembly and constitute the “COMMON BOM.” Versions may also be called “flavors” in parts lists. The terms are interchangeable.

6.3 SOFTWARE DOCUMENTATION

Unit software configuration is documented through several dedicated part number series. If a unit contains software, the 206-XXXXX-XXXX P/N series designates the overall unit software/hardware configuration set. The 205-XXXXX-XXXX P/N series designates the software/hardware circuit board sets. The 126-XXXXX-XXXX P/N series designates non-software programmable device sets. The 125-XXXXX-XXXX P/N series designates software programmable de-

vice sets. The 122-XXXXX-XXXX P/N series designates discrete programmed devices within the 126- P/N and 125- P/N device sets.

The top unit parts list contains the 206- P/N unit software/hardware configuration set. In some cases, specific versions of 206- P/N unit SW/HW configuration sets must be used in specific versions of unit part numbers. An example of a 206- P/N unit SW/HW configuration set is shown in figure 6-0, sheet 1, item “A” in the right hand margin.

The last two or four digits of software related P/N's indicate the revision number (-XXRN) of the software. Those numbers are incremented with each revision of software.

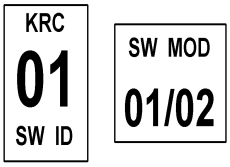
If a circuit board contains software, the applicable 205- P/N is used to order the programmed software/hardware board set. A board with software cannot be ordered by hardware 200- or 300- P/Ns. The applicable 122- P/N is used to order programmed devices. In some cases, specific versions of programmed devices must be used with specific versions of other programmed devices in the unit. Programmed devices cannot be ordered by 125- or 126- P/Ns.

6.3.1 UNIT SOFTWARE/HARDWARE SYSTEM SET

The 206- P/N is the configuration control for all unit software, software/hardware circuit boards, and programmed devices in the unit. The 206- P/N parts list contains the software identification tag and any 205- P/N software/hardware board sets. The last two or last four digits of the 206- P/N designate the software/hardware configuration version of the unit, depending on whether the unit part number is 9-digit or 12-digit.

6.3.1.1 When the unit part number is 9-digits on the TSO label, the last 2 digits of the 206- P/N are the last two digits of the software identification tag attached to the unit. The SW identification tag part number is 057-03284-00XX, where XX is the last two digits of the 206- P/N.

6.3.1.2 When the unit part number is 12-digits on the TSO label, the last 4 digits of the 206- P/N are the last 4 digits of the software identification tag attached to the unit. The SW identification tag part number is 057-05287-YYYY, where YYYY is the last four digits of the 206- P/N. The two types of software identification tags are illustrated below.



6.3.1.3 The 205- P/N software/hardware board sets used in the unit appear on the 206- P/N software/hardware configuration set parts list. An example of a 205- P/N software/hardware board set is shown in figure 6-0, sheet 1, item “B” in the right hand margin.

6.3.2 SOFTWARE/HARDWARE BOARD SETS

The 205- P/N series designates software/hardware board set assemblies. The 205- P/N parts list contains 057- P/N SW/HW board labels, and contains 125- P/N software programmable device sets and/or 126- P/N non-software programmable device sets that fulfill software requirements. The 125- P/N and 126- P/N device sets contain 122- P/N programmed devices. The 205- P/N parts list also contains the 200- P/N or 300- P/N hardware circuit board.

6.3.2.1 The 057- P/N SW/HW board labels:

6.3.2.1.1 For 9-digit 205-WWWW-RN board labels, the first 7 digits are contained on a label part number 057-050WW-00WW, and the last two digits are specified by 057-05252-00RN. The revision number (RN) of the 205-WWWW-RN and the 057-05252-00RN part numbers are incremented when the revision number of any 125-0XXXX-XXRN part number is incremented. Therefore, the revision number of the 205-WWWW-RN and 057-05252-00RN part numbers will be the same.

6.3.2.1.2 For 12-digit 205-0XXXX-XXRN board labels, the first 10 digits are contained on a label part number 057-05252-XXXX, and the last two digits are specified by 057-05335-00RN. The revision number (RN) of the 205-0XXXX-XXRN and the 057-05335-00RN part numbers are incremented when the revision number of any 125-0XXXX-XXRN part number is incremented. Therefore, the revision number of the 205-0XXXX-XXRN and 057-05335-00RN part numbers will be the same. A circuit board identification tag is illustrated below.

205-06616-|0000

6.3.2.2 The 125- software programmable device sets:

The 205- P/N SW/HW board set may contain one or more 125- P/N software programmable device sets. A 125- P/N software programmable device set contains software and one or more 122- P/N programmed devices designated for that software function. When the revision number (RN) of any one of the 122-0XXXX-XXRN programmed devices is incremented in a new software release, the revision number the 125-0XXXX-XXRN device set is also incremented. This 125- P/N parts list also specifies the “U” or “I” circuit designators for the programmed devices found on assembly drawings and schematic diagrams. Examples of 125- P/N sets are shown in figure 6-0, sheet 1, items “C1,” and “C2” in the right hand margin.

6.3.2.3 The 126- P/N non-software programmable device sets:

When specified at the 205- P/N SW/HW board set level, the 126- P/N non-software programmable device set fulfills software requirements. The 126- P/N parts list contains one or more 122-0YYYY-YYRN P/N programmed devices. An example of a 126- P/N set that fulfills software requirements is shown in figure 6-0, sheet 1, item “C3” in the right hand margin.

6.3.2.4 The 122- P/N programmed devices:

The 122-0XXXX-XXRN part number identifies discrete programmed devices found in both software programmable 125- P/N device sets and non-software programmable 126- P/N device sets that perform a software function. These parts also appear on the 200- P/N or 300- P/N hardware board parts list as 122-0XXXX-9999. Their true part number is found only on the 125- P/N or 126- P/N parts list.

6.3.2.5 The 200- P/N or 300-P/N hardware board:

The 200- P/N or 300- P/N hardware circuit board is specified by the 205- SW/HW board set. An example of a 200- P/N hardware board reference on a 205- SW/HW board set is shown in figure 6-0, sheet 1, last line.

6.3.3 HARDWARE BOARDS WITH PROGRAMMED DEVICES

The 200- P/N or 300- P/N hardware board parts list contains 126- P/N non-software programmable device sets that fulfill hardware requirements and reference to all 122- P/N programmed devices on the hardware board.

6.3.3.1 The 126- P/N non-software programmable device sets:

The 126- P/N non-software programmable device sets that fulfill hardware requirements appear on the 200- P/N or 300- P/N parts list.

6.3.3.2 The 122- P/N programmed devices:

The 122- P/N programmed devices appear on the 200- P/N or 300- P/N parts list. These references resolve device location on the board. Component designators are placed in the SYMBOL field of the parts list to specify component location. These include 122-3XXXX-9999 or 122-0YYYY-9999 part numbers.

The 122- numbers in the form 122-3XXXX-9999 are used for non-software programmable devices (126- P/N) that fulfill hardware requirements. Examples of such 122- P/Ns are shown in figure 6-0, sheet 2, items “D5” through “D10” in the right hand margin.

The 122- numbers of the form 122-0YYYY-9999 are used for both software programmable devices (125-) (Items D12 through D15, in the example), and non-software programmable devices (126-) (Item D11, in the example), that fulfill software requirements.

These programmable device sets appear on the hardware/software board (205-) parts list.

The exact programmable device (the resolution of the -9999, in the above items) is specified by the respective software programmable device set (125-), or the non-software programmable device set (126-) parts list.

Using the SYMBOL field as specified above, would discourage the use of the SYMBOL field for this purpose, in the programmable device sets (125- and 126-) parts list. This would then permit the specification of the same programmable device sets in different boards, hence different component designators. In the example, Figure 6-0:

- The items flagged D1 through D4, in the right margin, are non-software programmable device sets.
- The items flagged D5 through D10, in the right margin, are non-software programmable device designators, that fulfill hardware requirements.
- The item flagged D11, in the right margin, is a non-software programmable device designator, that fulfills software requirements.
- The items flagged D12 through D15, in the right margin, are software programmable device designators, that fulfill software requirements.

Figure 6-0, while closely related to a specific product, does not represent an exact configuration in use by that product. The example has been modified to clarify certain points.

Assy: 066-04020-0203 SG464 HSI W/O WX

Symbol	Part Number	Rev	Description	UM	Quantity	BxItm
	016-01008-0004	3	GLYPTAL 7526 BL	AR	1.00	
	016-01131-0000	1	CNTCT CMT BND 1055	AR	1.00	
	047-02579-0002	2	HANDLE ASSEMBLY	EA	1.00	
	" "	"	" " " "	"	"	
	047-09392-0001	0	SPACER RT W/FIN	EA	1.00	
	057-02203-0002	3	FLAVOR STCKR	EA	1.00	
	057-02203-0003	3	FLAVOR STCKR	EA	1.00	
	057-05286-0000	0	SERIAL TAG SG 464	EA	1.00	
	075-05082-0002	0	GUIDE PLATE TOP	EA	1.00	
	" "	"	" " " " "	"	"	
	090-00277-0000	1	HOLD DOWN BRACKET	EA	1.00	
	155-02536-0001	1	CABLE ASSY	EA	1.00	
	200-07703-0000	2	DPX CONN BD ASSY	EA	1.00	
	200-07704-0000	8	LV PS BD ASSY	EA	1.00	
	206-00118-0301	0	EFS40/50 HSI SET	EA	1.00	<--- A

Assy: 206-00118-0301 EFS40/50 HSI SET

Symbol	Part Number	Rev	Description	UM	Quantity	BxItm
	057-05287-0301	0	SW MOD TAG	EA	1.00	
	205-00564-0002	0	EFIS 40/50 I/O PBS	EA	1.00	
	205-00565-0004	0	E40/50 HSI P/D PBS	EA	1.00	<--- B

Assy: 205-00565-0004 E40/50 HSI P/D PBS

Symbol	Part Number	Rev	Description	UM	Quantity	BxItm
	057-02241-0016	1	IDENT LABEL	EA	1.00	
	057-05252-0565	1	IDT 205-00565-0000	EA	1.00	
	125-00602-0004	0	EFIS 40/50 NAV SDS	EA	1.00	<--- C1
	125-00603-0002	0	EFIS40/50 DSPL SDS	EA	1.00	<--- C2
	126-00019-0000	1	EFS40/50 CLIPPER	EA	1.00	<--- C3
	200-07706-0000	1	PRCSR/DSPL BD ASSY	EA	1.00	

Figure 6-0 Sample Parts List
(Sheet 1 of 4)

Assy: 200-07706-0000 PRCSR/DSPL BD ASSY

	Symbol	Part Number	Rev	Description	UM	Quantity	BxItm
		009-07706-0000	0	PC BD PRCSR/DSPL	EA	1.00	
		" "	"	" " " "	"	"	
		150-00004-0010	3	TUBING TFLN 22AWG	IN	2.00	
		200-04969-0000	0	EXT BD PRCSR/ADI A	RF	0.00	
		126-00005-0000	1	EFS40/50 INT LOGIC	EA	1.00	<--- D1
		126-00006-0000	1	EFS40/50 VIDEO MUX	EA	1.00	<--- D2
		126-00017-0000	1	EFS40/50 SM SET	EA	1.00	<--- D3
		126-00018-0000	1	EFS40/50 SINE SET	EA	1.00	<--- D4
C	5001	111-02104-0042	26	CAP MC100KPF50V20%	EA	1.00	
		" "	"	" " " "	"	"	
I	5005	122-30001-9999	0	EFS40/50 VIDEO MUX	RF	0.00	<--- D5
I	5008	122-30002-9999	0	EFS40/50 INT LOGIC	RF	0.00	<--- D6
		" "	"	" " " "	"	"	
I	5036	122-30003-9999	0	EFS40/50 SM HIGH	RF	0.00	<--- D7
I	5037	122-30004-9999	0	EFS40/50 SM LOW	RF	0.00	<--- D8
I	5038	122-30005-9999	0	EFS40/50 SINE HIGH	RF	0.00	<--- D9
I	5039	122-30006-9999	0	EFS40/50 SINE LOW	RF	0.00	<--- D10
		" "	"	" " " "	"	"	
I	5075	122-00958-9999	0	EFS40/50 CLIPPER	RF	0.00	<--- D11
		" "	"	" " " "	"	"	
I	5138	122-00918-9999	0	EFS40/50 HSI NAV-E	RF	0.00	<--- D12
I	5139	122-00919-9999	0	EFS40/50 HSI NAV-O	RF	0.00	<--- D13
		" "	"	" " " "	"	"	
I	5158	122-00920-9999	0	EFS40/50 HSI DSP-E	RF	0.00	<--- D14
I	5159	122-00921-9999	0	EFS40/50 HSI DSP-O	RF	0.00	<--- D15

Assy: 126-00005-0000 EFS40/50 INT LOGIC

Symbol	Part Number	Rev	Description	UM	Quantity	BxItm
	122-30002-0000	0	EFS40/50 INT LOGIC	EA	1.00	

Assy: 122-30002-0000 EFS40/50 INT LOGIC

Symbol	Part Number	Rev	Description	UM	Quantity	BxItm
	120-02376-0000	1	EPLD EP320 (OTP)	EA	1.00	

Assy: 125-00602-0004 EFIS 40/50 NAV SDS

Symbol	Part Number	Rev	Description	UM	Quantity	BxItm
	122-00918-0004	0	EFS40/50 HSI NAV-E	EA	1.00	
	122-00919-0004	0	EFS40/50 HSI NAV-O	EA	1.00	

Assy: 125-00603-0002 EFIS40/50 DSPL SDS

Symbol	Part Number	Rev	Description	UM	Quantity	BxItm
	122-00920-0002	0	EFS40/50 HSI DSP-E	EA	1.00	
	122-00921-0002	0	EFS40/50 HSI DSP-O	EA	1.00	

Figure 6-0 Sample Parts List
(Sheet 2 of 4)

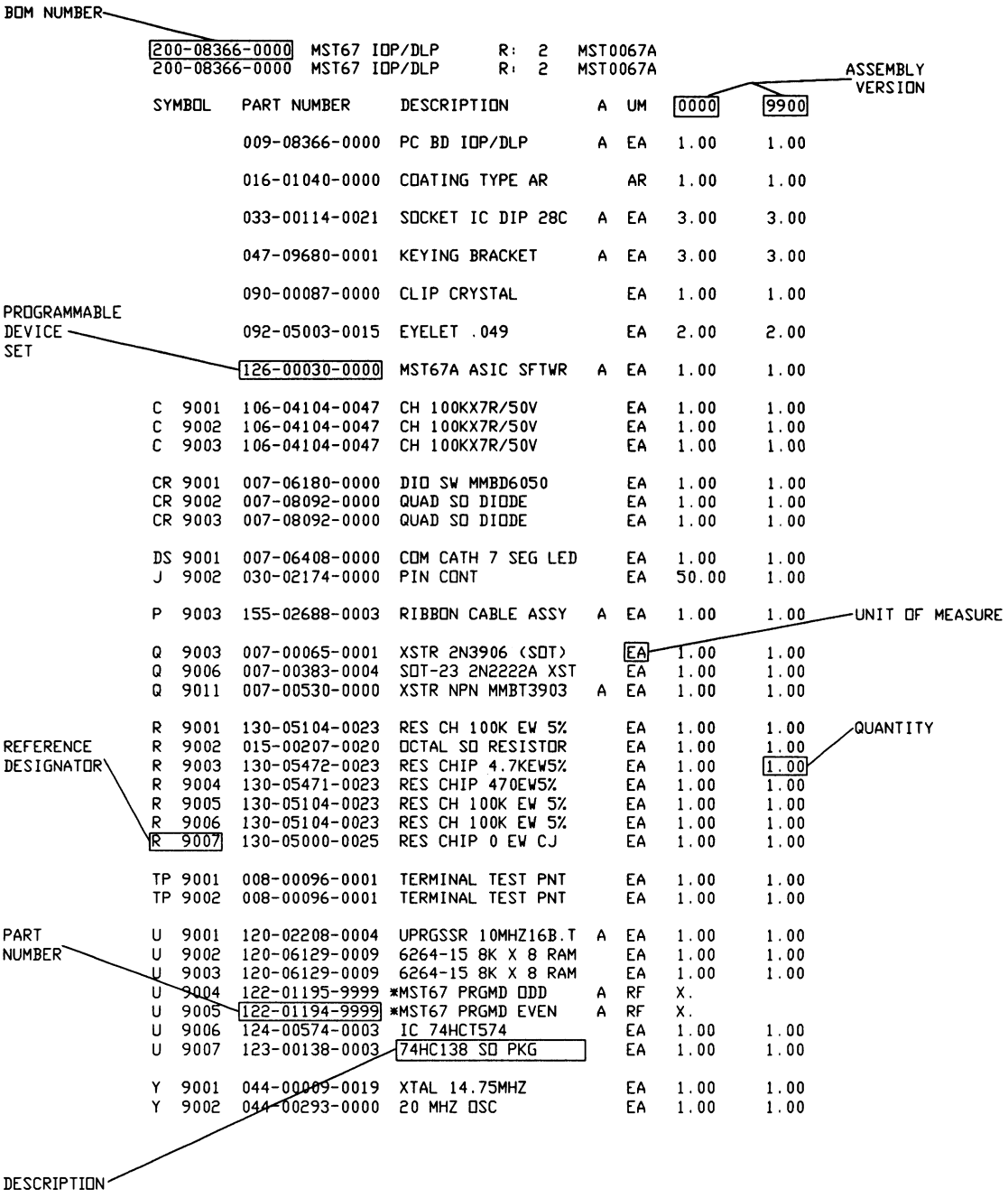
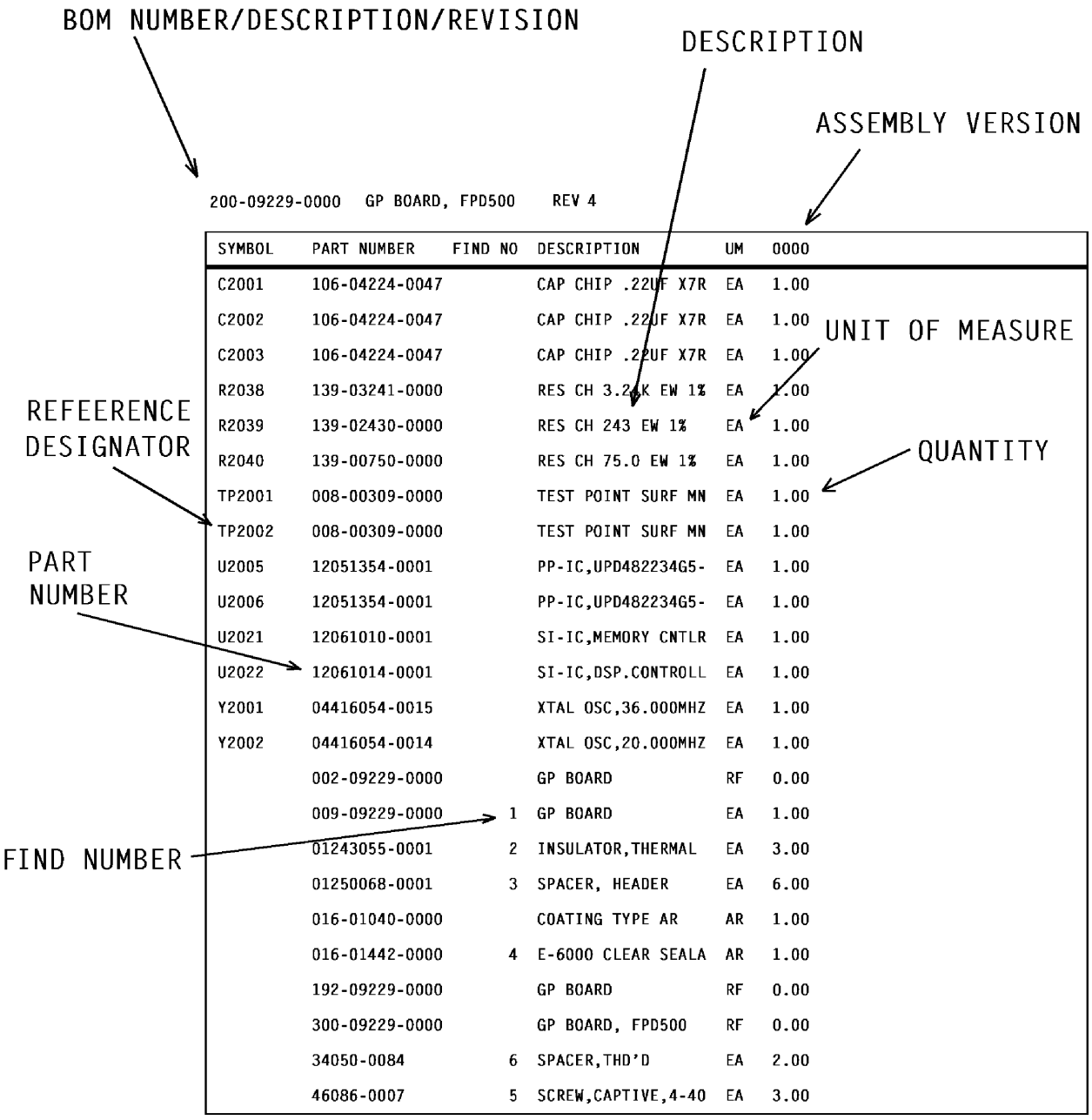


Figure 6-0 Sample Parts List
(Sheet 3 of 4)



200-09229-0000 GP BOARD, FPD500 REV 4

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	0000
C2001	106-04224-0047		CAP CHIP .22UF X7R	EA	1.00
C2002	106-04224-0047		CAP CHIP .22UF X7R	EA	1.00
C2003	106-04224-0047		CAP CHIP .22UF X7R	EA	1.00
R2038	139-03241-0000		RES CH 3.24K EW 1%	EA	1.00
R2039	139-02430-0000		RES CH 243 EW 1%	EA	1.00
R2040	139-00750-0000		RES CH 75.0 EW 1%	EA	1.00
TP2001	008-00309-0000		TEST POINT SURF MN	EA	1.00
TP2002	008-00309-0000		TEST POINT SURF MN	EA	1.00
U2005	12051354-0001		PP-IC,UPD482234G5-	EA	1.00
U2006	12051354-0001		PP-IC,UPD482234G5-	EA	1.00
U2021	12061010-0001		SI-IC,MEMORY CNTLR	EA	1.00
U2022	12061014-0001		SI-IC,DSP.CONTROLL	EA	1.00
Y2001	04416054-0015		XTAL OSC,36.000MHZ	EA	1.00
Y2002	04416054-0014		XTAL OSC,20.000MHZ	EA	1.00
	002-09229-0000		GP BOARD	RF	0.00
	009-09229-0000	1	GP BOARD	EA	1.00
	01243055-0001	2	INSULATOR,THERMAL	EA	3.00
	01250068-0001	3	SPACER, HEADER	EA	6.00
	016-01040-0000		COATING TYPE AR	AR	1.00
	016-01442-0000	4	E-6000 CLEAR SEALA	AR	1.00
	192-09229-0000		GP BOARD	RF	0.00
	300-09229-0000		GP BOARD, FPD500	RF	0.00
	34050-0084	6	SPACER,THD'D	EA	2.00
	46086-0007	5	SCREW,CAPTIVE,4-40	EA	3.00

Figure 6-0 Sample Parts List
(Sheet 4 of 4)

6.4 ILLUSTRATED PARTS LIST

6.4.1 KY 96A VHF Communication Transceiver

064-01052-0010 96A 25KHZ SEL REV AB
064-01052-0011 96A 50KHZ SEL REV AB
064-01052-0030 96A 25K SEL 136975 REV AB
064-01052-0099 COMMOM BOM REV AD

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0010	-0011	-0030	-0099
I108	120-03026-0000		IC MC7805CT	EA	.	.	.	1.00
Q113	007-00930-0000		XSTR S PNPMJE15029	EA	.	.	.	1.00
Q122	007-00930-0000		XSTR S PNPMJE15029	EA	.	.	.	1.00
REF1	300-04268-0000		KY96A COMM TRANSC	RF	.	.	.	.00
REF100	000-00601-0002		PRODUCT STRUCTURE	RF	.	.	.	.00
	012-01005-0002		TAPE MYLAR .500 W	IN	.	.	.	.50
	012-01127-0000		TAG COVER	EA	.	.	.	4.00
	013-00006-0001		FERR BEAD	EA	.	.	.	4.00
	016-01008-0004		GLYPTAL 7526 BL	AR	.	.	.	1.00
	016-01015-0000		IND ADH 3M 4475	AR	.	.	.	1.00
	016-01071-0000		DC RTV 3140	AR	.	.	.	1.00
	025-00005-0002		WIRE 18 RED	IN	.	.	.	10.75
	025-00005-0012		WIRE 18 RD/WH	IN	.	.	.	9.00
	025-00018-0022		WIRE 26 RED	IN	.	.	.	2.00
	025-00018-0024		WIRE 26 RD/YL	IN	.	.	.	11.00
	025-00018-0092		WIRE 26 WH/RD	IN	.	.	.	10.50
	025-00018-0096		WIRE 26 WH/BU	IN	.	.	.	10.50
	025-05012-0000		WIRE 2C SHD WHTBLK	IN	.	.	.	9.50
	030-02229-0011		RGT ANG HDR 3P	EA	.	.	.	1.00
	030-02229-0013		RGT ANG HDR 7P	EA	.	.	.	1.00
	030-02229-0014		RGT ANG HDR 6P	EA	.	.	.	1.00
	035-01007-0020		CONN CVR NAS820-8	EA	.	.	.	1.00
	035-01361-0020		PROTECTIVE COVER	EA	.	.	.	1.00
	047-04811-0001		COVER XMTR W/F	EA	.	.	.	1.00
	047-08494-0501		TOP COVER ASSEMBLY	EA	1.00	1.00	1.00	.
	047-08495-0002		COVER, BOTTOM	EA	.	.	.	1.00
	047-08512-0004		MOUNTING RACK	EA	.	.	.	1.00
	057-01540-0000		WARNING HV TAG	EA	.	.	.	1.00
	057-02203-1010		S/N TAG FLVR BLK	EA	1.00	.	.	.
	057-02203-1011		S/N TAG FLVR BLK	EA	.	1.00	.	.
	057-02203-1030		S/N TAG FLVR BLK	EA	.	.	1.00	.
	057-02312-0001		DECAL	EA	.	1.00	.	.
	057-02337-0000		PRTCTV CVR DECAL	EA	.	.	.	1.00
	057-03451-0001		S/N TAG KY96A	EA	.	.	.	1.00
	057-03511-0001		DECAL, CAUTION	EA	.	.	.	1.00
	064-01052-0099		COMMOM BOM	EA	1.00	1.00	1.00	.
	073-00808-0003		KNOB VOLUME	EA	.	.	.	1.00
	088-00838-0006		PUSH BUTTON	EA	.	.	.	1.00
	088-02269-0003		BEZEL LCD	EA	.	.	.	1.00
	088-02270-0000		PUSH BUTTON, RND	EA	.	.	.	1.00
	088-02271-0000		LIGHTING SHAFT	EA	.	.	.	1.00
	089-05434-0003		SCR FHP 3-48X3/16	EA	.	.	.	9.00
	089-05434-0004		SCR FHP 3-48X1/4	EA	.	.	.	8.00
	089-05874-0005		SCR PHP 2-56X5/16	EA	.	.	.	1.00
	089-05899-0003		SCR PHP 2-56X3/16	EA	.	.	.	1.00
	089-05901-0004		SCR PHP 3-48X1/4	EA	.	.	.	7.00
	089-05903-0004		SCR PHP 4-40X1/4	EA	.	.	.	3.00
	089-05925-0004		SCR BHP 3-48X1/4	EA	.	.	.	5.00
	089-06298-0004		SCR FHP 3-48X1/4	EA	.	.	.	2.00
	089-06342-0004		SCR PHP 3-48X1/4	EA	.	.	.	4.00
	090-00991-0000		PROTECTIVE CLOSURE	EA	.	.	.	1.00
	091-00109-0000		CABLE TIE	EA	.	.	.	2.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0010	-0011	-0030	-0099
	091-00156-0000		BUSHING	EA	.	.	.	3.00
	091-00286-0002		INSUL XSTR .687	EA	.	.	.	2.00
	150-00049-0010		SHRINK TUBING WHT	IN	.	.	.	1.25
	150-00060-0001		SPIROBAND	IN	.	.	.	5.25
	150-00072-0004		SLDR SLEEVE .62	EA	.	.	.	2.00
	150-00103-0000		SLDR SLEEVE	EA	.	.	.	2.00
	200-04271-0000		28V MODULATOR ASSY	EA	.	.	.	1.00
	200-07479-0000		LCD DISPLAY BD	EA	.	.	.	1.00
	200-07540-0001		KY 96A 28V 5W TX B	EA	.	.	.	1.00
	200-07799-0021		96A MN BD 25K FUJI	EA	1.00	.	1.00	.
	200-07799-0023		96A MN BD 50K FUJI	EA	.	1.00	.	.
	206-00021-0020		TOP SW BOM, KY96A/	EA	1.00	1.00	.	.
	206-00022-0020		TOP SW BOM, KY96A/	EA	.	.	1.00	.

064-01052-0031 96A 50K SEL 136975 REV AB
064-01052-0050 96A 25KHZ W/AUDAMP REV AB
064-01052-0051 96A 50KHZ W/AUDAMP REV AB
064-01052-0099 COMMOM BOM REV AD

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0031	-0050	-0051	-0099
I108	120-03026-0000		IC MC7805CT	EA	.	.	.	1.00
Q113	007-00930-0000		XSTR S PNPMJE15029	EA	.	.	.	1.00
Q122	007-00930-0000		XSTR S PNPMJE15029	EA	.	.	.	1.00
REF1	300-04268-0000		KY96A COMM TRANSC	RF	.	.	.	.00
REF100	000-00601-0002		PRODUCT STRUCTURE	RF	.	.	.	.00
	012-01005-0002		TAPE MYLAR .500 W	IN	.	.	.	.50
	012-01127-0000		TAG COVER	EA	.	.	.	4.00
	013-00006-0001		FERR BEAD	EA	.	.	.	4.00
	016-01008-0004		GLYPTAL 7526 BL	AR	.	.	.	1.00
	016-01015-0000		IND ADH 3M 4475	AR	.	.	.	1.00
	016-01071-0000		DC RTV 3140	AR	.	.	.	1.00
	025-00005-0002		WIRE 18 RED	IN	.	.	.	10.75
	025-00005-0012		WIRE 18 RD/WH	IN	.	.	.	9.00
	025-00018-0022		WIRE 26 RED	IN	.	.	.	2.00
	025-00018-0024		WIRE 26 RD/YL	IN	.	.	.	11.00
	025-00018-0092		WIRE 26 WH/RD	IN	.	.	.	10.50
	025-00018-0096		WIRE 26 WH/BU	IN	.	.	.	10.50
	025-05012-0000		WIRE 2C SHD WHTBLK	IN	.	.	.	9.50
	030-02229-0011		RGT ANG HDR 3P	EA	.	.	.	1.00
	030-02229-0013		RGT ANG HDR 7P	EA	.	.	.	1.00
	030-02229-0014		RGT ANG HDR 6P	EA	.	.	.	1.00
	035-01007-0020		CONN CVR NAS820-8	EA	.	.	.	1.00
	035-01361-0020		PROTECTIVE COVER	EA	.	.	.	1.00
	047-04811-0001		COVER XMTR W/F	EA	.	.	.	1.00
	047-08494-0501		TOP COVER ASSEMBLY	EA	1.00	.	.	.
	047-08495-0002		COVER, BOTTOM	EA	.	.	.	1.00
	047-08512-0004		MOUNTING RACK	EA	.	.	.	1.00
	047-12516-0501		TOP COVER ASSY	EA	.	1.00	1.00	.
	057-01540-0000		WARNING HV TAG	EA	.	.	.	1.00
	057-02203-1031		S/N TAG FLVR BLK	EA	1.00	.	.	.
	057-02203-1050		S/N TAG FLVR BLK	EA	.	1.00	.	.
	057-02203-1051		S/N TAG FLVR BLK	EA	.	.	1.00	.
	057-02312-0001		DECAL	EA	1.00	.	1.00	.
	057-02337-0000		PRTCTV CVR DECAL	EA	.	.	.	1.00
	057-03451-0001		S/N TAG KY96A	EA	.	.	.	1.00
	057-03511-0001		DECAL, CAUTION	EA	.	.	.	1.00
	064-01052-0099		COMMOM BOM	EA	1.00	1.00	1.00	.
	073-00808-0003		KNOB VOLUME	EA	.	.	.	1.00
	088-00838-0006		PUSH BUTTON	EA	.	.	.	1.00
	088-02269-0003		BEZEL LCD	EA	.	.	.	1.00
	088-02270-0000		PUSH BUTTON, RND	EA	.	.	.	1.00
	088-02271-0000		LIGHTING SHAFT	EA	.	.	.	1.00
	089-05434-0003		SCR FHP 3-48X3/16	EA	.	.	.	9.00
	089-05434-0004		SCR FHP 3-48X1/4	EA	.	.	.	8.00
	089-05874-0005		SCR PHP 2-56X5/16	EA	.	.	.	1.00
	089-05899-0003		SCR PHP 2-56X3/16	EA	.	.	.	1.00
	089-05901-0004		SCR PHP 3-48X1/4	EA	.	.	.	7.00
	089-05903-0004		SCR PHP 4-40X1/4	EA	.	.	.	3.00
	089-05925-0004		SCR BHP 3-48X1/4	EA	.	.	.	5.00
	089-06004-0003		SCR FHP 2-56X3/16	EA	.	5.00	5.00	.
	089-06298-0004		SCR FHP 3-48X1/4	EA	.	.	.	2.00
	089-06342-0004		SCR PHP 3-48X1/4	EA	.	.	.	4.00
	090-00991-0000		PROTECTIVE CLOSURE	EA	.	.	.	1.00
	091-00109-0000		CABLE TIE	EA	.	.	.	2.00
	091-00156-0000		BUSHING	EA	.	.	.	3.00
	091-00286-0002		INSUL XSTR .687	EA	.	.	.	2.00
	150-00049-0010		SHRINK TUBING WHT	IN	.	.	.	1.25
	150-00060-0001		SPIROBAND	IN	.	.	.	5.25
	150-00072-0004		SLDR SLEEVE .62	EA	.	.	.	2.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0031	-0050	-0051	-0099
	150-00103-0000		SLDR SLEEVE	EA	.	.	.	2.00
	200-04271-0000		28V MODULATOR ASSY	EA	.	.	.	1.00
	200-07475-0000		LCD PROCESSOR BD	EA	.	1.00	.	.
	200-07479-0000		LCD DISPLAY BD	EA	.	.	.	1.00
	200-07540-0001		KY 96A 28V 5W TX B	EA	.	.	.	1.00
	200-07797-0000		AUDIO AMP BOARD	EA	.	1.00	1.00	.
	200-07799-0021		96A MN BD 25K FUJI	EA	.	1.00	.	.
	200-07799-0023		96A MN BD 50K FUJI	EA	1.00	.	1.00	.
	206-00021-0020		TOP SW BOM, KY96A/	EA	.	1.00	1.00	.
	206-00022-0020		TOP SW BOM, KY96A/	EA	1.00	.	.	.

064-01052-0060 96A 25KHZ36975W/AM REV AB
064-01052-0061 96A50KHZ36975W/AMP REV AB
064-01052-0070 KY96A FINAL ASSY REV AF
064-01052-0099 COMMOM BOM REV AD

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0060	-0061	-0070	-0099
I108	120-03026-0000		IC MC7805CT	EA	.	.	1.00	1.00
Q113	007-00930-0000		XSTR S PNPMJE15029	EA	.	.	1.00	1.00
Q122	007-00930-0000		XSTR S PNPMJE15029	EA	.	.	1.00	1.00
REF1	300-04268-0000		KY96A COMM TRANSC	RF	.	.	.00	.00
REF100	000-00601-0002		PRODUCT STRUCTURE	RF	.	.	.00	.00
	012-01005-0002		TAPE MYLAR .500 W	IN	.	.	.50	.50
	012-01127-0000		TAG COVER	EA	.	.	4.00	4.00
	013-00006-0001		FERR BEAD	EA	.	.	4.00	4.00
	016-01008-0004		GLYPTAL 7526 BL	AR	.	.	1.00	1.00
	016-01015-0000		IND ADH 3M 4475	AR	.	.	1.00	1.00
	016-01071-0000		DC RTV 3140	AR	.	.	1.00	1.00
	025-00005-0002		WIRE 18 RED	IN	.	.	11.25	10.75
	025-00005-0012		WIRE 18 RD/WH	IN	.	.	9.00	9.00
	025-00018-0022		WIRE 26 RED	IN	.	.	2.00	2.00
	025-00018-0024		WIRE 26 RD/YL	IN	.	.	11.00	11.00
	025-00018-0092		WIRE 26 WH/RD	IN	.	.	10.50	10.50
	025-00018-0096		WIRE 26 WH/BU	IN	.	.	10.50	10.50
	025-05012-0000		WIRE 2C SHD WHTBLK	IN	.	.	9.50	9.50
	030-02229-0011		RGT ANG HDR 3P	EA	.	.	1.00	1.00
	030-02229-0013		RGT ANG HDR 7P	EA	.	.	1.00	1.00
	030-02229-0014		RGT ANG HDR 6P	EA	.	.	1.00	1.00
	035-01007-0020		CONN CVR NAS820-8	EA	.	.	1.00	1.00
	035-01361-0020		PROTECTIVE COVER	EA	.	.	1.00	1.00
	047-04811-0001		COVER XMTR W/F	EA	.	.	1.00	1.00
	047-08495-0002		COVER, BOTTOM	EA	.	.	1.00	1.00
	047-08512-0004		MOUNTING RACK	EA	.	.	1.00	1.00
	047-12516-0501		TOP COVER ASSY	EA	1.00	1.00	1.00	.
	057-01540-0000		WARNING HV TAG	EA	.	.	1.00	1.00
	057-02203-1060		S/N TAG FLVR BLK	EA	1.00	.	.	.
	057-02203-1061		S/N TAG FLVR BLK	EA	.	1.00	.	.
	057-02203-1070		S/N TAG FLVR BLK	EA	.	.	1.00	.
	057-02312-0001		DECAL	EA	.	1.00	.	.
	057-02337-0000		PRTCTV CVR DECAL	EA	.	.	1.00	1.00
	057-03451-0001		S/N TAG KY96A	EA	.	.	1.00	1.00
	057-03511-0001		DECAL, CAUTION	EA	.	.	1.00	1.00
	064-01052-0099		COMMOM BOM	EA	1.00	1.00	.	.
	073-00808-0003		KNOB VOLUME	EA	.	.	.	1.00
	073-00972-0003		KNOB VOLUME	EA	.	.	1.00	.
	088-00838-0006		PUSH BUTTON	EA	.	.	.	1.00
	088-00838-0050		LIGHTING SHAFT	EA	.	.	1.00	.
	088-02269-0003		BEZEL LCD	EA	.	.	.	1.00
	088-02270-0000		PUSH BUTTON, RND	EA	.	.	.	1.00
	088-02270-0001		PUSH BUTTON	EA	.	.	1.00	.
	088-02271-0000		LIGHTING SHAFT	EA	.	.	1.00	1.00
	088-03101-0007		BEZEL COMPL KY96A	EA	.	.	1.00	.
	088-03130-0001		TRANSFER BUTTON	EA	.	.	1.00	.
	089-05434-0003		SCR FHP 3-48X3/16	EA	.	.	9.00	9.00
	089-05434-0004		SCR FHP 3-48X1/4	EA	.	.	8.00	8.00
	089-05874-0005		SCR PHP 2-56X5/16	EA	.	.	1.00	1.00
	089-05899-0003		SCR PHP 2-56X3/16	EA	.	.	1.00	1.00
	089-05901-0004		SCR PHP 3-48X1/4	EA	.	.	7.00	7.00
	089-05903-0004		SCR PHP 4-40X1/4	EA	.	.	3.00	3.00
	089-05925-0004		SCR BHP 3-48X1/4	EA	.	.	5.00	5.00
	089-06004-0003		SCR FHP 2-56X3/16	EA	5.00	5.00	5.00	.
	089-06298-0004		SCR FHP 3-48X1/4	EA	.	.	2.00	2.00
	089-06342-0004		SCR PHP 3-48X1/4	EA	.	.	4.00	4.00
	090-00991-0000		PROTECTIVE CLOSURE	EA	.	.	1.00	1.00
	091-00109-0000		CABLE TIE	EA	.	.	2.00	2.00
	091-00156-0000		BUSHING	EA	.	.	3.00	3.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0060	-0061	-0070	-0099
	091-00286-0002		INSUL XSTR .687	EA	.	.	2.00	2.00
	150-00049-0010		SHRINK TUBING WHT	IN	.	.	1.25	1.25
	150-00060-0001		SPIROBAND	IN	.	.	5.25	5.25
	150-00072-0004		SLDR SLEEVE .62	EA	.	.	2.00	2.00
	150-00103-0000		SLDR SLEEVE	EA	.	.	2.00	2.00
	200-04271-0000		28V MODULATOR ASSY	EA	.	.	1.00	1.00
	200-07479-0000		LCD DISPLAY BD	EA	.	.	.	1.00
	200-07479-0001		LCD DISPLAY BD	EA	.	.	1.00	.
	200-07540-0001		KY 96A 28V 5W TX B	EA	.	.	1.00	1.00
	200-07797-0000		AUDIO AMP BOARD	EA	1.00	1.00	1.00	.
	200-07799-0021		96A MN BD 25K FUJI	EA	1.00	.	1.00	.
	200-07799-0023		96A MN BD 50K FUJI	EA	.	1.00	.	.
	206-00022-0020		TOP SW BOM, KY96A/	EA	1.00	1.00	1.00	.

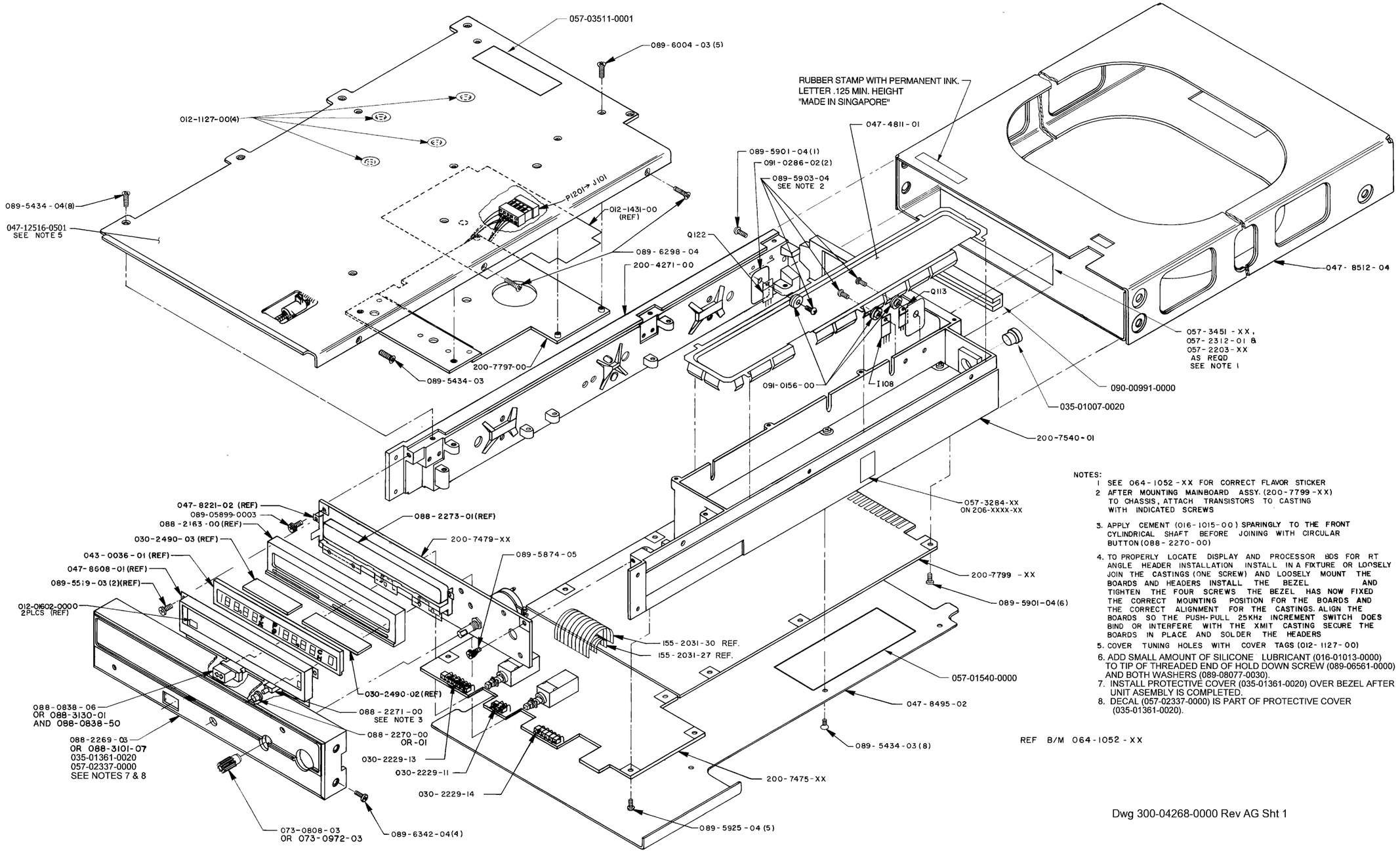
THIS PAGE CONTAINS OLD REVISION BOMS, FOR REFERENCE ONLY.

064-1052-10	96A 25KHZ SEL	REV 6	KY 0096A
064-1052-11	96A 50KHZ SEL	REV 6	KY 0096A
064-1052-30	96A 25K SEL 136975	REV 6	KY 0096A
064-1052-31	96A 50K SEL 136975	REV 6	KY 0096A
064-1052-50	96A 25KHZ W/AUDAMP	REV 7	KY 0096A
064-1052-51	96A 50KHZ W/AUDAMP	REV 7	KY 0096A
064-1052-60	96A 25KHZ36975W/AM	REV 7	KY 0096A
064-1052-61	96A50KHZ36975W/AMP	REV 7	KY 0096A
064-1052-70	KY96A CROWN SERIES	REV 2	KY 0096A
064-1052-99	COMMOM BOM	REV 15	KY 0096A

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0010	0011	0030	0031	0050	0051	0060	0061	0070	0099
	012-01005-0002	TAPE MYLAR .500 W		IN	.	.	.	.	.	.	.	.	0.50	0.50
	012-01127-0000	TAG COVER		EA	.	.	.	.	.	.	.	.	4.00	4.00
	013-00006-0001	FERR BEAD		EA	.	.	.	.	.	.	.	.	4.00	4.00
	016-01008-0004	GLYPTAL 7526 BL		AR	.	.	.	.	.	.	.	.	1.00	1.00
	016-01015-0000	IND ADH 3M 4475		AR	.	.	.	.	.	.	.	.	1.00	1.00
	016-01071-0000	DC RTV 3140		AR	.	.	.	.	.	.	.	.	1.00	1.00
	025-00005-0002	WIRE 18 RED		IN	.	.	.	.	.	.	.	.	10.75	10.75
	025-00005-0012	WIRE 18 RD/WH		IN	.	.	.	.	.	.	.	.	10.75	10.75
	025-00018-0022	WIRE 26 RED		IN	.	.	.	.	.	.	.	.	2.00	2.00
	025-00018-0024	WIRE 26 RD/YL		IN	.	.	.	.	.	.	.	.	11.00	11.00
	025-00018-0092	WIRE 26 WH/RD		IN	.	.	.	.	.	.	.	.	10.50	10.50
	025-00018-0096	WIRE 26 WH/BU		IN	.	.	.	.	.	.	.	.	10.50	10.50
	025-05012-0000	WIRE 2C SHD WHTBLK		IN	.	.	.	.	.	.	.	.	9.50	9.50
	030-02229-0011	RGT ANG HDR 3P		EA	.	.	.	.	.	.	.	.	1.00	1.00
	030-02229-0013	RGT ANG HDR 7P		EA	.	.	.	.	.	.	.	.	1.00	1.00
	030-02229-0014	RGT ANG HDR 6P		EA	.	.	.	.	.	.	.	.	1.00	1.00
	047-04811-0001	COVER XMTR W/F	A	EA	.	.	.	.	.	.	.	.	1.00	1.00
	047-08494-0003	COVER, TOP	A	EA	1.00	1.00	1.00	1.00	.	.	.	.	.	.
	047-08494-0014	TOP COVER	A	EA	.	.	.	.	1.00	1.00	1.00	1.00	1.00	.
	047-08495-0002	COVER, BOTTOM	A	EA	.	.	.	.	.	.	.	.	1.00	1.00
	047-08512-0004	MOUNTING RACK	A	EA	.	.	.	.	.	.	.	.	1.00	1.00
	057-02203-1010	S/N TAG FLVR BLK		EA	1.00	.	.	.	.	.	.	.	.	.
	057-02203-1011	S/N TAG FLVR BLK		EA	.	1.00	.	.	.	.	.	.	.	.
	057-02203-1030	S/N TAG FLVR BLK		EA	.	.	1.00	.	.	.	.	.	.	.
	057-02203-1031	S/N TAG FLVR BLK		EA	.	.	.	1.00	.	.	.	.	.	.
	057-02203-1050	S/N TAG FLVR BLK		EA	.	.	.	.	1.00	.	.	.	.	.
	057-02203-1051	S/N TAG FLVR BLK		EA	.	.	.	.	.	1.00	.	.	.	.
	057-02203-1060	S/N TAG FLVR BLK		EA	.	.	.	.	.	.	1.00	.	.	.
	057-02203-1061	S/N TAG FLVR BLK		EA	.	.	.	.	.	.	.	1.00	.	.
	057-02203-1070	S/N TAG FLVR BLK		EA	.	.	.	.	.	.	.	.	1.00	.
	057-02312-0001	DECAL		EA	.	1.00	.	1.00	.	1.00	.	1.00	.	.
	057-03451-0001	S/N TAG KY96A		EA	.	.	.	.	.	.	.	.	1.00	1.00
	064-01052-0099	COMMOM BOM	A	EA	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	.	.
	073-00379-0002	HOLD DOWN 80	A	EA	.	.	.	.	.	.	.	.	1.00	1.00
	073-00808-0003	KNOB VOLUME	A	EA	.	.	.	.	.	.	.	.	.	1.00
	073-00972-0003	KNOB VOLUME	A	EA	.	.	.	.	.	.	.	.	1.00	.
	088-00838-0006	PUSH BUTTON	A	EA	.	.	.	.	.	.	.	.	.	1.00
	088-00838-0050	LIGHTING SHAFT		EA	.	.	.	.	.	.	.	.	1.00	.
	088-02269-0003	BEZEL LCD		EA	.	.	.	.	.	.	.	.	.	1.00
	088-02270-0000	PUSH BUTTON, RND		EA	.	.	.	.	.	.	.	.	.	1.00
	088-02270-0001	PUSH BUTTON		EA	.	.	.	.	.	.	.	.	1.00	.
	088-02271-0000	LIGHTING SHAFT		EA	.	.	.	.	.	.	.	.	1.00	1.00
	088-03101-0001	BEZEL	A	EA	.	.	.	.	.	.	.	.	1.00	.
	088-03130-0001	TRANSFER BUTTON	A	EA	.	.	.	.	.	.	.	.	1.00	.

THIS PAGE CONTAINS OLD REVISION BOMS, FOR REFERENCE ONLY.

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0010	0011	0030	0031	0050	0051	0060	0061	0070	0099
	089-05434-0003	SCR FHP 3-48X3/16		EA	.	.	.	.	.	.	.	.	9.00	9.00
	089-05434-0004	SCR FHP 3-48X1/4		EA	.	.	.	.	.	.	.	.	8.00	8.00
	089-05874-0005	SCR PHP 2-56X5/16		EA	.	.	.	.	.	.	.	.	2.00	2.00
	089-05901-0004	SCR PHP 3-48X1/4		EA	.	.	.	.	.	.	.	.	7.00	7.00
	089-05903-0004	SCR PHP 4-40X1/4		EA	.	.	.	.	.	.	.	.	3.00	3.00
	089-05925-0004	SCR BHP 3-48X1/4		EA	.	.	.	.	.	.	.	.	5.00	5.00
	089-06004-0003	SCR FHP 2-56X3/16		EA	.	.	.	.	5.00	5.00	5.00	5.00	5.00	.
	089-06298-0004	SCR FHP 2-48X1/4		EA	.	.	.	.	.	.	.	.	2.00	2.00
	089-06342-0004	SCR PHP 3-48X1/4		EA	.	.	.	.	.	.	.	.	4.00	4.00
	089-06561-0000	SCR SHC 6-32X1.140		EA	.	.	.	.	.	.	.	.	1.00	1.00
	089-08077-0030	WASHER		AR	.	.	.	.	.	.	.	.	1.00	1.00
	089-08231-0000	WASHER FLAT		EA	.	.	.	.	.	.	.	.	1.00	1.00
	090-00265-0000	PIN GRO .046X.250		EA	.	.	.	.	.	.	.	.	1.00	1.00
	091-00109-0000	CABLE TIE .234		EA	.	.	.	.	.	.	.	.	2.00	2.00
	091-00156-0000	BUSHING		EA	.	.	.	.	.	.	.	.	3.00	3.00
	091-00286-0002	INSUL XSTR .687		EA	.	.	.	.	.	.	.	.	2.00	2.00
	150-00049-0010	TUBING SHRINK WHT		IN	.	.	.	.	.	.	.	.	1.25	1.25
	150-00060-0001	SPIROBAND		IN	.	.	.	.	.	.	.	.	5.25	5.25
	150-00072-0004	SLDR SLEEVE .62		EA	.	.	.	.	.	.	.	.	2.00	2.00
	150-00103-0000	SLDR SLEEVE		EA	.	.	.	.	.	.	.	.	2.00	2.00
	155-02031-0027	JUMPER CABLE 9C		EA	.	.	.	.	.	.	.	.	1.00	1.00
	155-02031-0030	JUMPER CABLE 9C		EA	.	.	.	.	.	.	.	.	1.00	1.00
	200-04271-0000	28V MODULATOR ASSY	A	EA	.	.	.	.	.	.	.	.	1.00	1.00
	200-07475-0000	LCD PROCESSOR BD	A	EA	.	.	.	.	1.00	.	.	.	.	.
	200-07479-0000	LCD DISPLAY BD	A	EA	.	.	.	.	.	.	.	.	.	1.00
	200-07479-0001	LCD DISPLAY BD	A	EA	.	.	.	.	.	.	.	.	1.00	.
	200-07540-0001	KY 96A 28V 5W TX B	A	EA	.	.	.	.	.	.	.	.	1.00	1.00
	200-07797-0000	AUDIO AMP BOARD	A	EA	.	.	.	.	1.00	1.00	1.00	1.00	1.00	.
	200-07799-0001	96A MAIN BD 25KHZ	A	EA	1.00	.	1.00	.	1.00	.	1.00	.	1.00	.
	200-07799-0003	96A MAIN BD 50KHZ	A	EA	.	1.00	.	1.00	.	1.00	.	1.00	.	.
	206-00021-0000	UNITHW/SWSET135975	A	EA	1.00	1.00	.	.	1.00	1.00	.	.	.	.
	206-00022-0000	UNITHW/SWSET136975	A	EA	.	.	1.00	1.00	.	.	1.00	1.00	1.00	.
I 108	120-03026-0000	IC MC7805CT		EA	.	.	.	.	.	.	.	.	1.00	1.00
Q 113	007-00930-0000	XSTR S PNPMJE15029		EA	.	.	.	.	.	.	.	.	1.00	1.00
Q 122	007-00930-0000	XSTR S PNPMJE15029		EA	.	.	.	.	.	.	.	.	1.00	1.00
REF 1	300-04268-0000	FINAL ASSY KY96A		RF	.	.				.	.	.	X.	X.
REF 100	000-00601-0002	FLOW CHT KY96A	A	RF	.						.	.	X.	X.

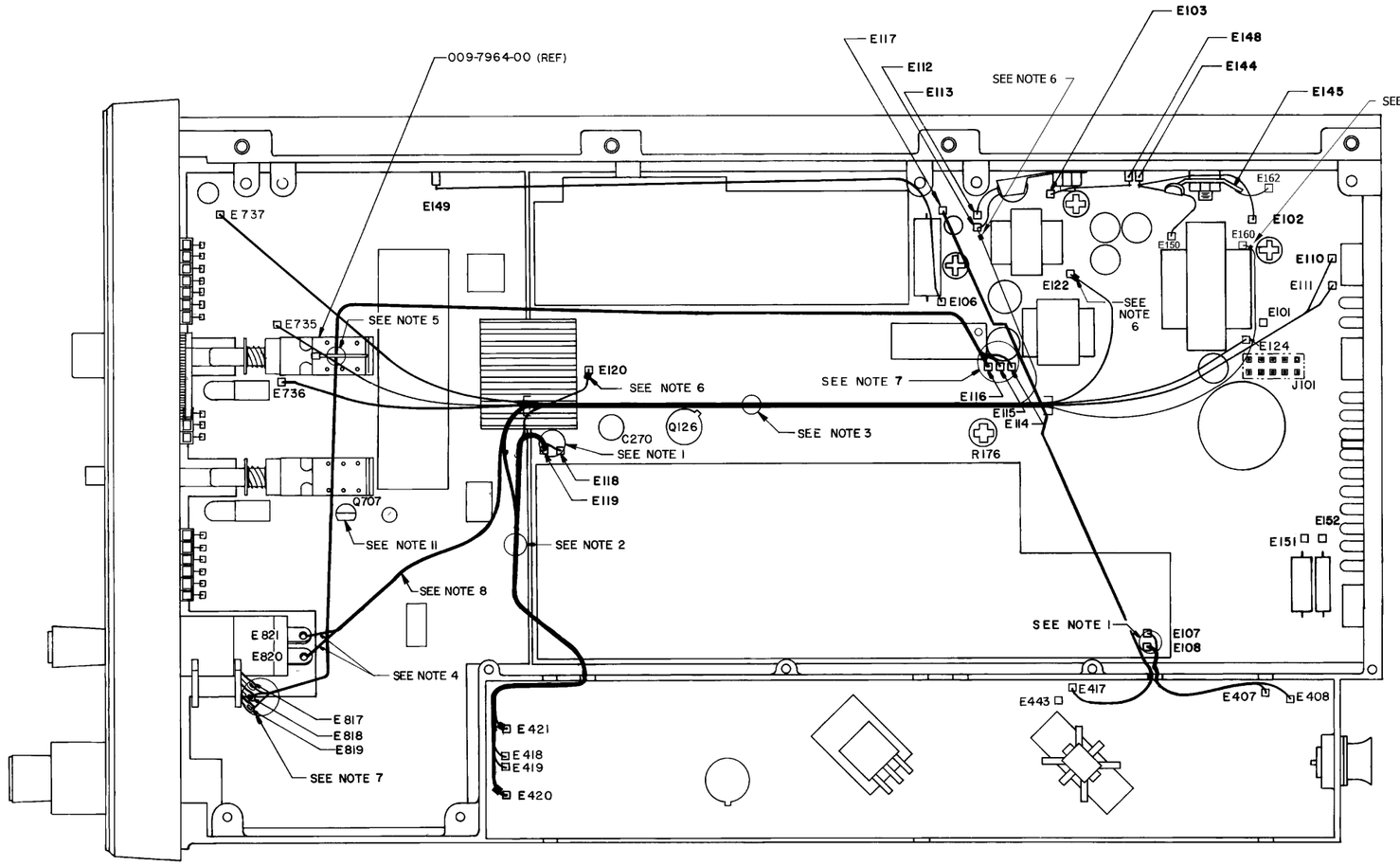


NOTES:
1. SEE 064-1052-XX FOR CORRECT FLAVOR STICKER
2. AFTER MOUNTING MAINBOARD ASSY. (200-7799-XX) TO CHASSIS, ATTACH TRANSISTORS TO CASTING WITH INDICATED SCREWS
3. APPLY CEMENT (016-1015-00) SPARINGLY TO THE FRONT CYLINDRICAL SHAFT BEFORE JOINING WITH CIRCULAR BUTTON (088-2270-00)
4. TO PROPERLY LOCATE DISPLAY AND PROCESSOR BDS FOR RT ANGLE HEADER INSTALLATION INSTALL IN A FIXTURE OR LOOSELY JOIN THE CASTINGS (ONE SCREW) AND LOOSELY MOUNT THE BOARDS AND HEADERS INSTALL THE BEZEL AND TIGHTEN THE FOUR SCREWS THE BEZEL HAS NOW FIXED THE CORRECT MOUNTING POSITION FOR THE BOARDS AND THE CORRECT ALIGNMENT FOR THE CASTINGS. ALIGN THE BOARDS SO THE PUSH-PULL 25KHz INCREMENT SWITCH DOES BIND OR INTERFERE WITH THE XMIT CASTING SECURE THE BOARDS IN PLACE AND SOLDER THE HEADERS
5. COVER TUNING HOLES WITH COVER TAGS (012-1127-00)
6. ADD SMALL AMOUNT OF SILICONE LUBRICANT (016-01013-0000) TO TIP OF THREADED END OF HOLD DOWN SCREW (089-06561-0000) AND BOTH WASHERS (089-08077-0030).
7. INSTALL PROTECTIVE COVER (035-01361-0020) OVER BEZEL AFTER UNIT ASEMBLY IS COMPLETED.
8. DECAL (057-02337-0000) IS PART OF PROTECTIVE COVER (035-01361-0020).

REF B/M 064-1052-XX

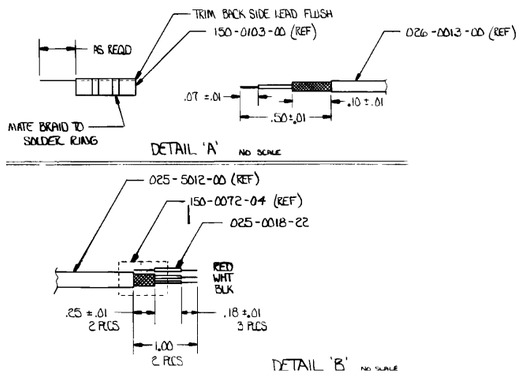
Dwg 300-04268-0000 Rev AG Sht 1

FIGURE 6-1 KY 96A Final Assembly (Sht 1 of 2)
(Dwg No 300-04268-0000, Rev AG, Sht 1)



NOTES

1. INSTALL SOLDER SLEEVE (150-0103-00) IN THIS LOCATION. SEE DETAIL A.
2. INSTALL CABLE TIE (091-0109-00) IN THIS LOCATION.
3. INSTALL SPIROBAND TUBING (150-0060-01) TO WIRE BUNDLE
4. NOTE DELETED
5. COVER TOP OF CABLE TIE BOARD (009-7964-00) WITH MYLAR TAPE (083-1005-02) AND SECURE COAX TO PREVENT MOVEMENT WITH A CABLE TIE (091-0103-00).
6. INSTALL FERRITE BEAD (013-0006-01) IN THIS LOCATION. SECURE BEAD TO BOARD WITH RTV (016-1071-00) TO PREVENT MOVEMENT.
7. INSTALL SOLDER SLEEVE (150-0072-04) IN THIS LOCATION. SEE DETAIL B.
8. TWIST THESE LEADS TOGETHER AT ONE AND ONE HALF TURNS PER INCH.
9. THESE LEADS ARE APART OF 200-7540-01 TRANSMITTER ASSY.
10. THESE LEADS ARE APART OF 200-4271-00 MODULATOR ASSY.
11. Q707 SHOULD BE BENT DOWN TO CLEAR VOLUME CONTROL WIRE.

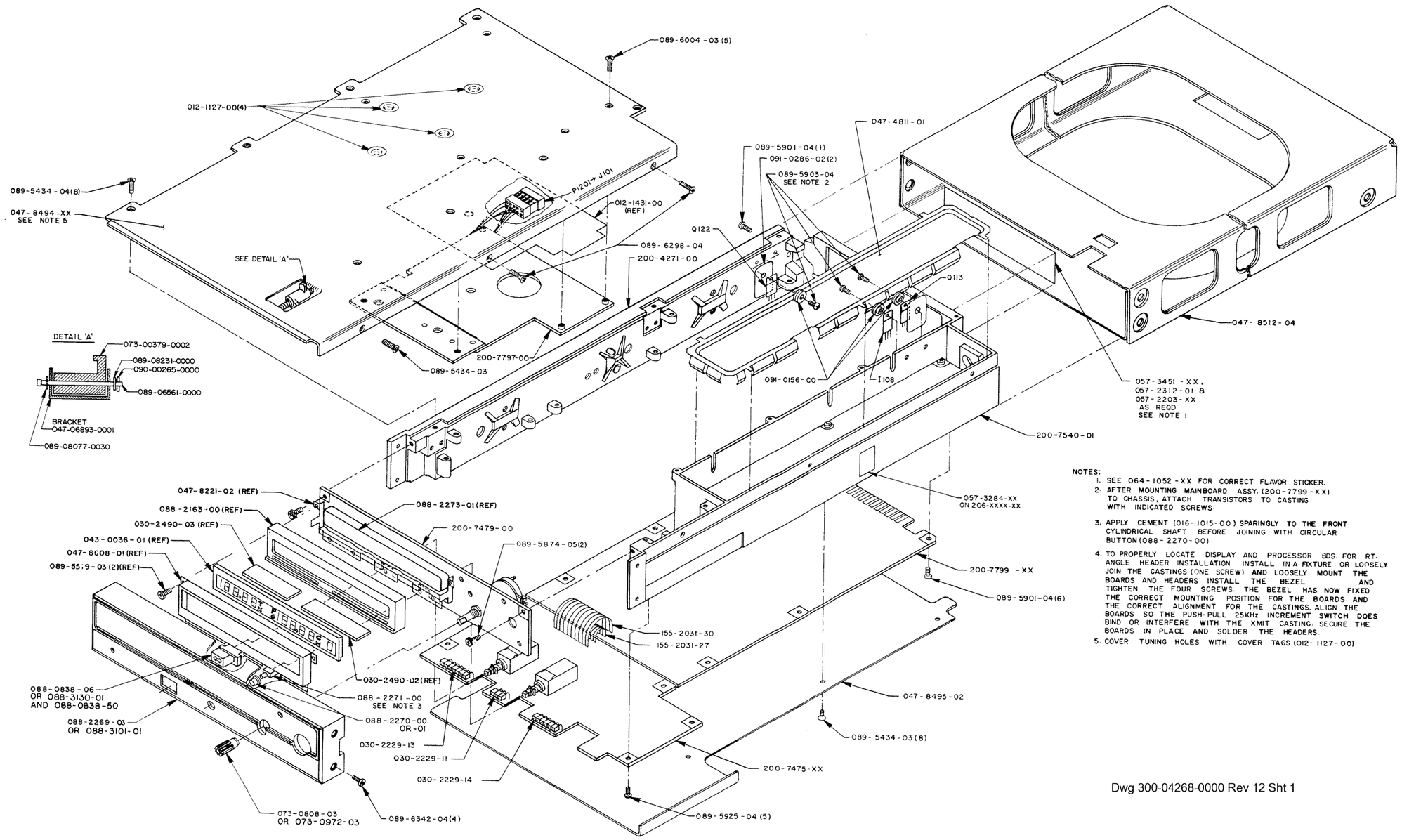


WIRE CHART

FROM	TO	DESCRIPTION	KPN	LENGTH	SEE NOTE	TOL
E160	E820	18 AWG RED	025-0005-02	11.25"		±5%
E112	E821	18 AWG RED/WHT	025-0005-12	9.00"		
E124	E737	26 AWG RED/YEL	025-0018-24	11.00"		
E114	E817	BLACK				
E115	E818	WHT	025-5012-00	9.50"		
E116	E819	SHIELD (RED)	025-0018-22	2.00"	7	
E111	E736	26 AWG WHT/BLU	025-0018-86	10.50"		
E110	E735	26 AWG WHT/RED	025-0018-92	10.50"		
E102	E144	20 AWG TINNED COPPER	026-0004-00	2.12"	10	
E162	E145	20 AWG TINNED COPPER	026-0004-00	0.7"	10	
E103	E148	20 AWG TINNED COPPER	026-0004-00	1.25"	10	
E108	E149	20 AWG TINNED COPPER	026-0004-00	6.00"	10	
E120	E420	26 AWG GRY/WHT	025-0018-89	5.20"	9	
E422	E122	20 AWG ORN	025-0004-03	10.00"	9	
E117	E417	18 AWG RED	025-0005-02	6.00"	9	MAX
----	E443					
E107	E407	COAX CABLE RG 178 B/U	026-0013-00	2.25"	9	MAX
E108	E408	SHIELD				
E118	E418	COAX CABLE RG 178 B/U	026-0013-00	4.75"	9	MAX
E119	E419	SHIELD				

Dwg 300-04268-0000 Rev AG Sht 2

FIGURE 6-1 KY 96A Final Assembly (Sht 2 of 2)
(Dwg No 300-04268-0000, Rev AG, Sht 2)

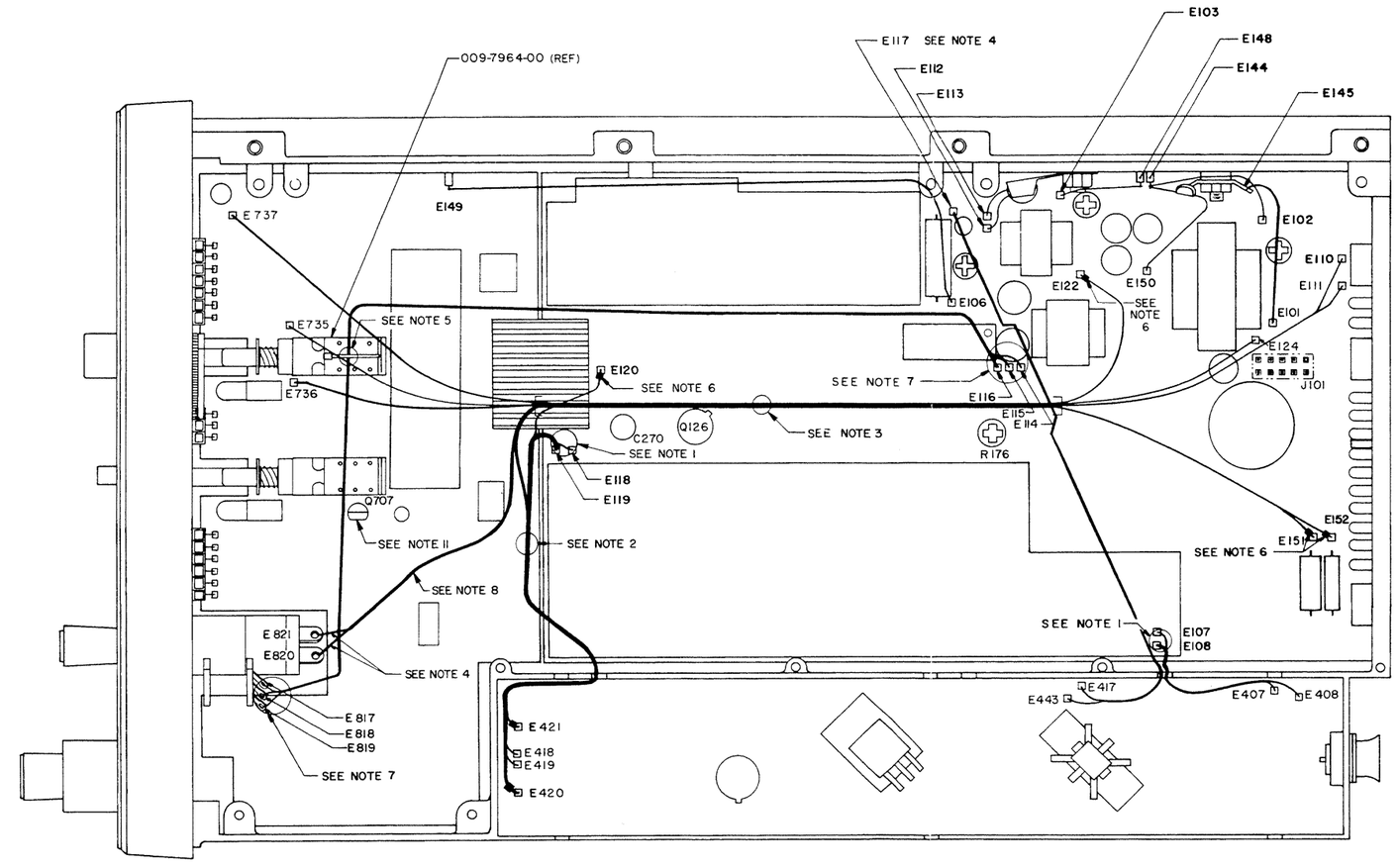


NOTES:

1. SEE 064-1052-XX FOR CORRECT FLAVOR STICKER.
2. AFTER MOUNTING MAINBOARD ASSY. (200-7799-XX) TO CHASSIS, ATTACH TRANSISTORS TO CASTING WITH INDICATED SCREWS.
3. APPLY CEMENT (016-1015-00) SPARINGLY TO THE FRONT CYLINDRICAL SHAFT BEFORE JOINING WITH CIRCULAR BUTTON (088-2270-00).
4. TO PROPERLY LOCATE DISPLAY AND PROCESSOR BDS FOR RT. ANGLE HEADER INSTALLATION INSTALL IN A FIXTURE OR LOOSELY JOIN THE CASTINGS (ONE SCREW) AND LOOSELY MOUNT THE BOARDS AND HEADERS. INSTALL THE BEZEL AND TIGHTEN THE FOUR SCREWS. THE BEZEL HAS NOW FIXED THE CORRECT MOUNTING POSITION FOR THE BOARDS AND THE CORRECT ALIGNMENT FOR THE CASTINGS. ALIGN THE BOARDS SO THE PUSH-PULL 25KHz INCREMENT SWITCH DOES BIND OR INTERFERE WITH THE XMIT CASTING. SECURE THE BOARDS IN PLACE AND SOLDER THE HEADERS.
5. COVER TUNING HOLES WITH COVER TAGS (012-1127-00).

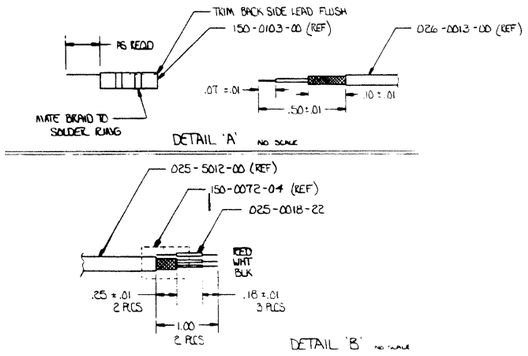
Dwg 300-04268-0000 Rev 12 Sht 1

FIGURE 6-1A KY 96A Final Assembly (Sht 1 of 2)
(Dwg No 300-04268-0000, Rev 12, Sht 1)



NOTES

1. INSTALL SOLDER SLEEVE (150-0103-00) IN THIS LOCATION. SEE DETAIL A.
2. INSTALL CABLE TIE (091-0109-00) IN THIS LOCATION.
3. INSTALL SPIROBAND TUBING (150-0060-01) TO WIRE BUNDLE
4. INSTALL SHRINK TUBING (150-0049-10) IN THIS LOCATION. COVER TOP OF CABLE TIE BOARD (009-7964-00) WITH MYLAR TAPE (026-1005-02) AND SECURE COAX TO PREVENT MOVEMENT WITH A CABLE TIE (091-0109-00).
5. INSTALL FERRITE BEAD (013-0006-01) IN THIS LOCATION. SECURE BEAD TO BOARD WITH RTV (016-1071-00) TO PREVENT MOVEMENT.
6. INSTALL SOLDER SLEEVE (150-0072-04) IN THIS LOCATION. SEE DETAIL B.
7. TWIST THESE LEADS TOGETHER AT ONE AND ONE HALF TURNS PER INCH.
8. THESE LEADS ARE APART OF 200-7540-01 TRANSMITTER ASSY.
9. THESE LEADS ARE APART OF 200-4271-00 MODULATOR ASSY.
10. Q707 SHOULD BE BENT DOWN TO CLEAR VOLUME CONTROL WIRE.

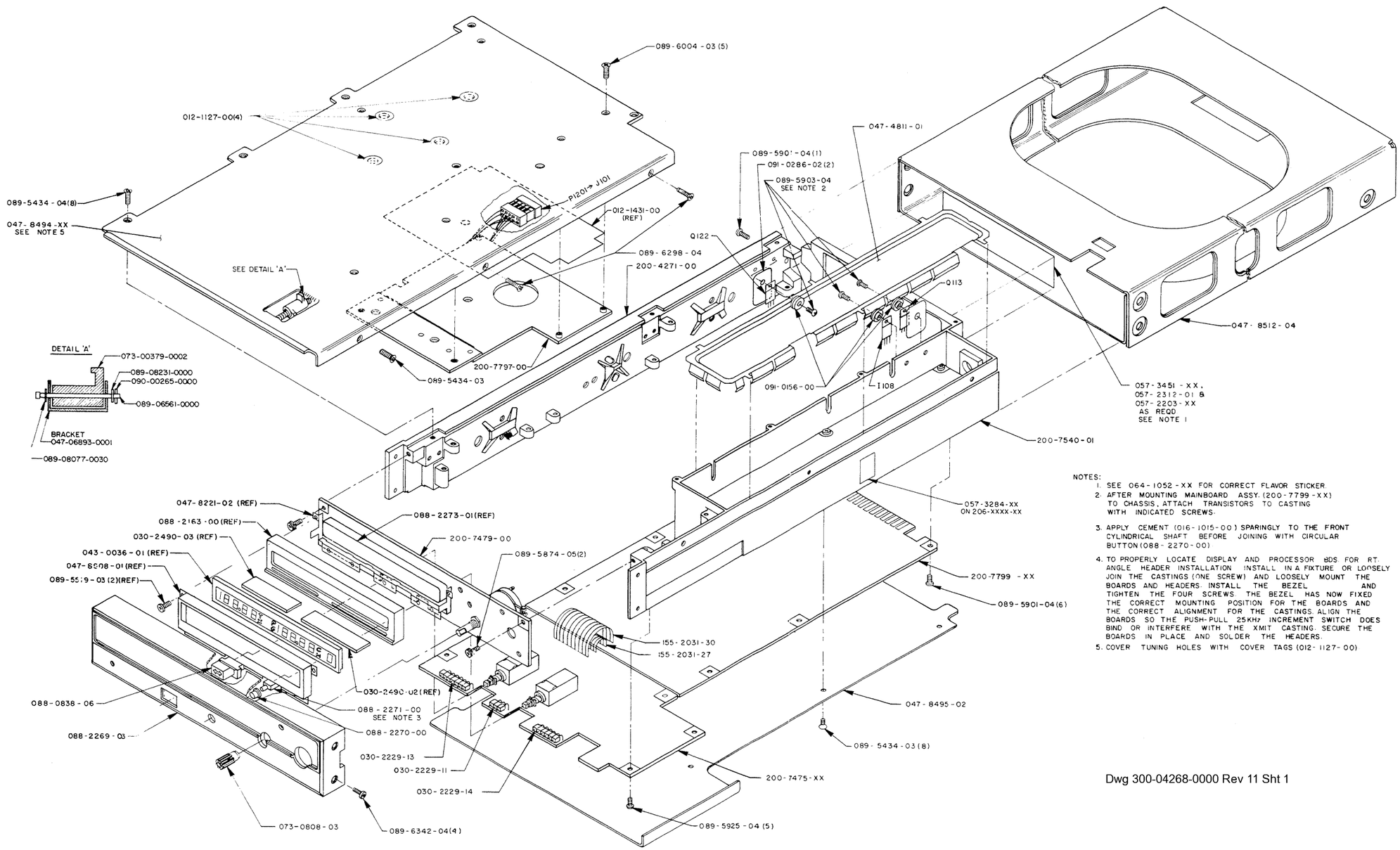


WIRE CHART

FROM	TO	DESCRIPTION	KPN	LENGTH	SEE NOTE	TOL
E151	E820	18 AWG RED	025-0005-02	11.25"		± 5 %
E152	E821	18 AWG RED/WHT	025-0005-12	11.25"		
E124	E737	26 AWG RED/YEL	025-0018-24	11.00"		
E114	E817	BLACK				
E115	E818	WHT	025-5012-00	9.50"		
E116	E819	SHIELD (RED)	025-0018-22	2.00"	7	
E111	E736	26 AWG WHT/BLU	025-0018-86	10.50"		
E110	E735	26 AWG WHT/RED	025-0018-82	10.50"		
E102	E144	20 AWG TINNED COPPER	025-0004-00	2.12"	10	
E101	E145	20 AWG TINNED COPPER	025-0004-00	2.00"	10	
E103	E148	20 AWG TINNED COPPER	025-0004-00	1.25"	10	
E106	E149	20 AWG TINNED COPPER	025-0004-00	6.00"	10	
E120	E420	26 AWG GRY/WHT	025-0018-89	5.20"	9	
E422	E122	20 AWG ORN	025-0004-03	10.00"	9	
E117	E417	WHT	025-5003-99	6.50"	9	MAX
----	E443	SHIELD				
E107	E407	COAX CABLE RG 178 B/U	026-0013-00	2.25"	9	MAX
E108	E408	SHIELD				
E118	E418	COAX CABLE RG 178 B/U	026-0013-00	4.75"	9	MAX
E119	E419	SHIELD				

Dwg 300-04268-0000 Rev 12 Sht 2

FIGURE 6-1A KY 96A Final Assembly (Sht 2 of 2)
(Dwg No 300-04268-0000, Rev 12, Sht 2)

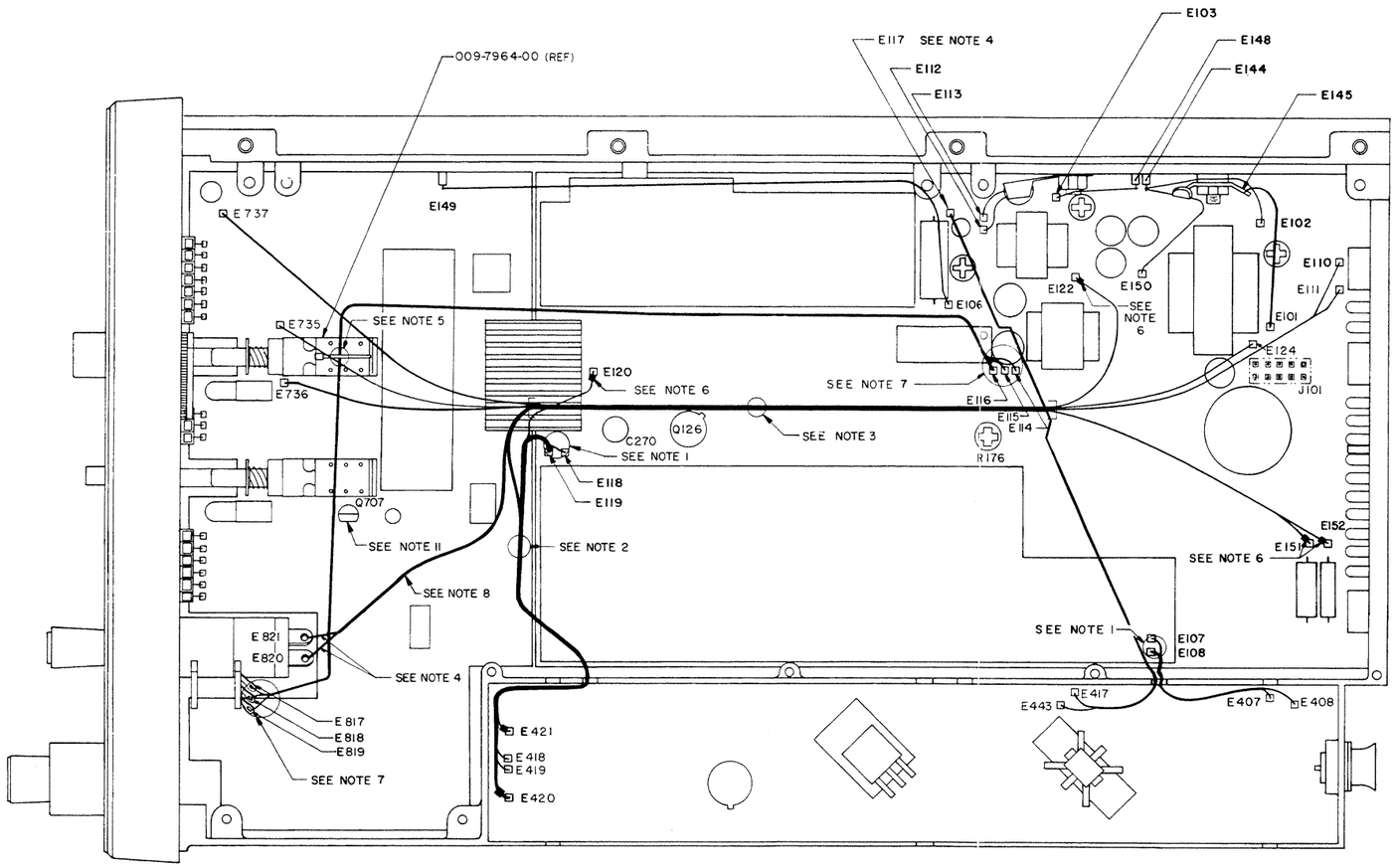


NOTES:

1. SEE 064-1052-XX FOR CORRECT FLAVOR STICKER.
2. AFTER MOUNTING MAINBOARD ASSY. (200-7799-XX) TO CHASSIS, ATTACH TRANSISTORS TO CASTING WITH INDICATED SCREWS.
3. APPLY CEMENT (016-1015-00) SPARINGLY TO THE FRONT CYLINDRICAL SHAFT BEFORE JOINING WITH CIRCULAR BUTTON (088-2270-00).
4. TO PROPERLY LOCATE DISPLAY AND PROCESSOR BDS FOR RT. ANGLE HEADER INSTALLATION: INSTALL IN A FIXTURE OR LOOSELY JOIN THE CASTINGS (ONE SCREW) AND LOOSELY MOUNT THE BOARDS AND HEADERS. INSTALL THE BEZEL AND TIGHTEN THE FOUR SCREWS. THE BEZEL HAS NOW FIXED THE CORRECT MOUNTING POSITION FOR THE BOARDS AND THE CORRECT ALIGNMENT FOR THE CASTINGS. ALIGN THE BOARDS SO THE PUSH-PULL 25KHz INCREMENT SWITCH DOES BIND OR INTERFERE WITH THE XMIT CASTING. SECURE THE BOARDS IN PLACE AND SOLDER THE HEADERS.
5. COVER TUNING HOLES WITH COVER TAGS (012-1127-00).

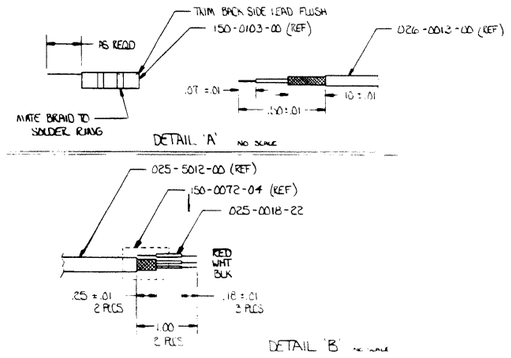
Dwg 300-04268-0000 Rev 11 Sht 1

FIGURE 6-1B KY 96A Final Assembly (Sht 1 of 2)
(Dwg No 300-04268-0000, Rev 11, Sht 1)



NOTES

1. INSTALL SOLDER SLEEVE (150-0103-00) IN THIS LOCATION. SEE DETAIL A.
2. INSTALL CABLE TIE (091-0109-00) IN THIS LOCATION.
3. INSTALL SPIROBAND TUBING (150-0060-01) TO WIRE BUNDLE
4. INSTALL SHRINK TUBING (150-0049-10) IN THIS LOCATION.
5. COVER TOP OF CABLE TIE BOARD (009-7964-00) WITH MYLAR TAPE (012-1005-02) AND SECURE COAX TO PREVENT MOVEMENT WITH A CABLE TIE (091-0109-00).
6. INSTALL FERRITE BEAD (013-0006-01) IN THIS LOCATION. SECURE BEAD TO BOARD WITH RTV (016-1071-00) TO PREVENT MOVEMENT.
7. INSTALL SOLDER SLEEVE (150-0072-04) IN THIS LOCATION. SEE DETAIL B.
8. TWIST THESE LEADS TOGETHER AT ONE AND ONE HALF TURNS PER INCH.
9. THESE LEADS ARE APART OF 200-7540-01 TRANSMITTER ASSY.
10. THESE LEADS ARE APART OF 200-4271-00 MODULATOR ASSY.
11. Q707 SHOULD BE BENT DOWN TO CLEAR VOLUME CONTROL WIRE.

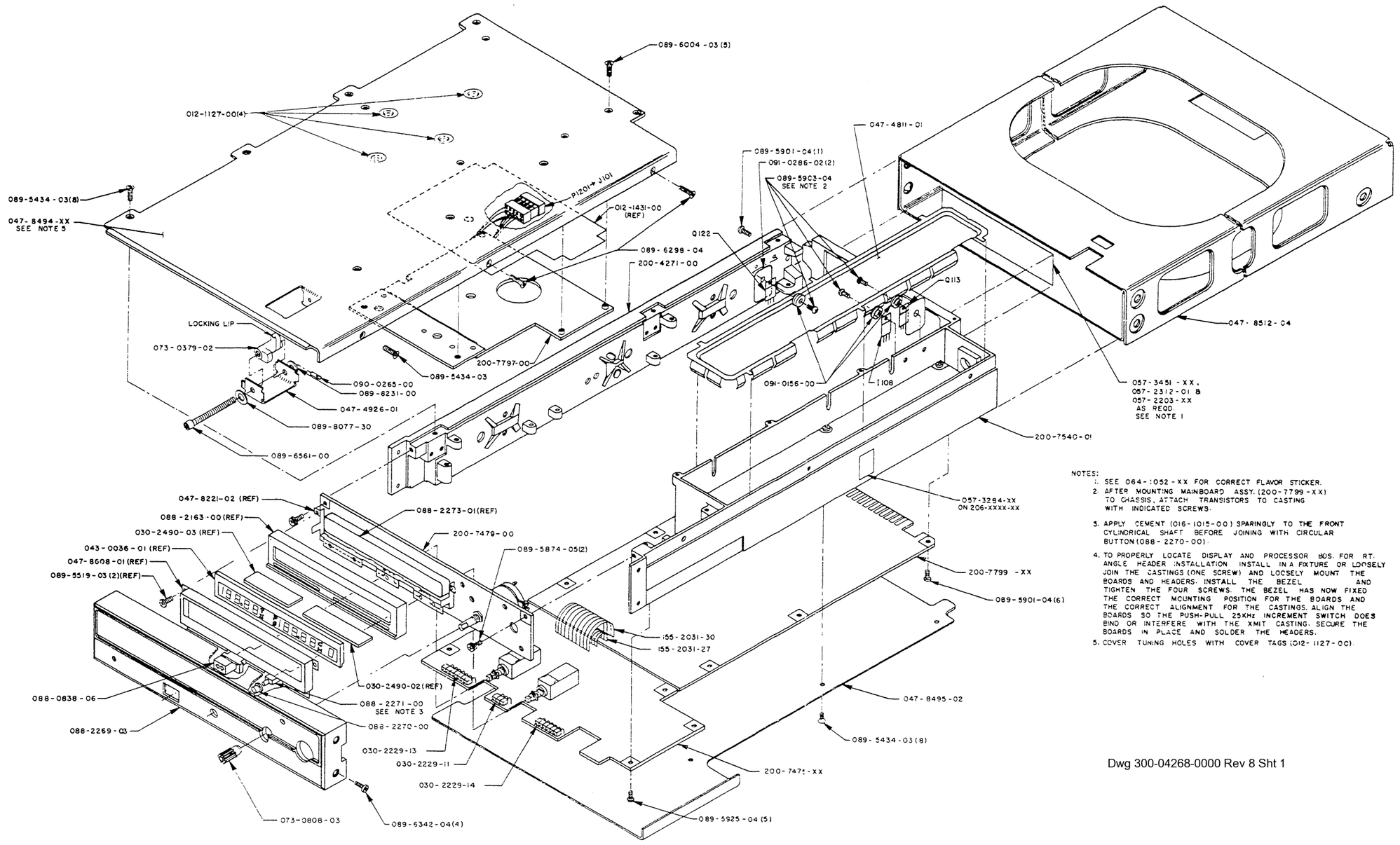


WIRE CHART

FROM	TO	DESCRIPTION	KPN	LENGTH	SEE NOTE	TOL
E151	E820	18 AWG RED	025-0005-02	11.25"		± 5%
E152	E821	18 AWG RED/WHT	025-0005-12	11.25"		
E124	E737	26 AWG RED/YEL	025-0018-24	11.00"		
E114	E817	BLACK				
E115	E818	WHT	025-5012-00	9.50"		
E116	E819	SHIELD (RED)	025-0018-22	2.00"	7	
E111	E736	26 AWG WHT/BLU	025-0018-86	10.50"		
E110	E735	26 AWG WHT/RED	025-0018-82	10.50"		
E102	E144	20 AWG TINNED COPPER	025-0004-00	2.12"	10	
E101	E145	20 AWG TINNED COPPER	025-0004-00	2.00"	10	
E103	E148	20 AWG TINNED COPPER	025-0004-00	1.25"	10	
E106	E149	20 AWG TINNED COPPER	025-0004-00	5.00"	10	
E120	E420	26 AWG GRY/WHT	025-0018-89	5.20"	9	
E422	E122	20 AWG ORN	025-0004-03	0.00"	9	
E117	E417	WHT	025-5003-99	6.50"	9	MAX
---	E443	SHIELD				
E107	E407	COAX CABLE RG 178 B/U	026-0013-00	2.25"	9	MAX
E108	E408	SHIELD				
E118	E418	COAX CABLE RG 178 B/U	026-0013-00	4.75"	9	MAX
E119	E419	SHIELD				

Dwg 300-04268-0000 Rev 11 Sht 2

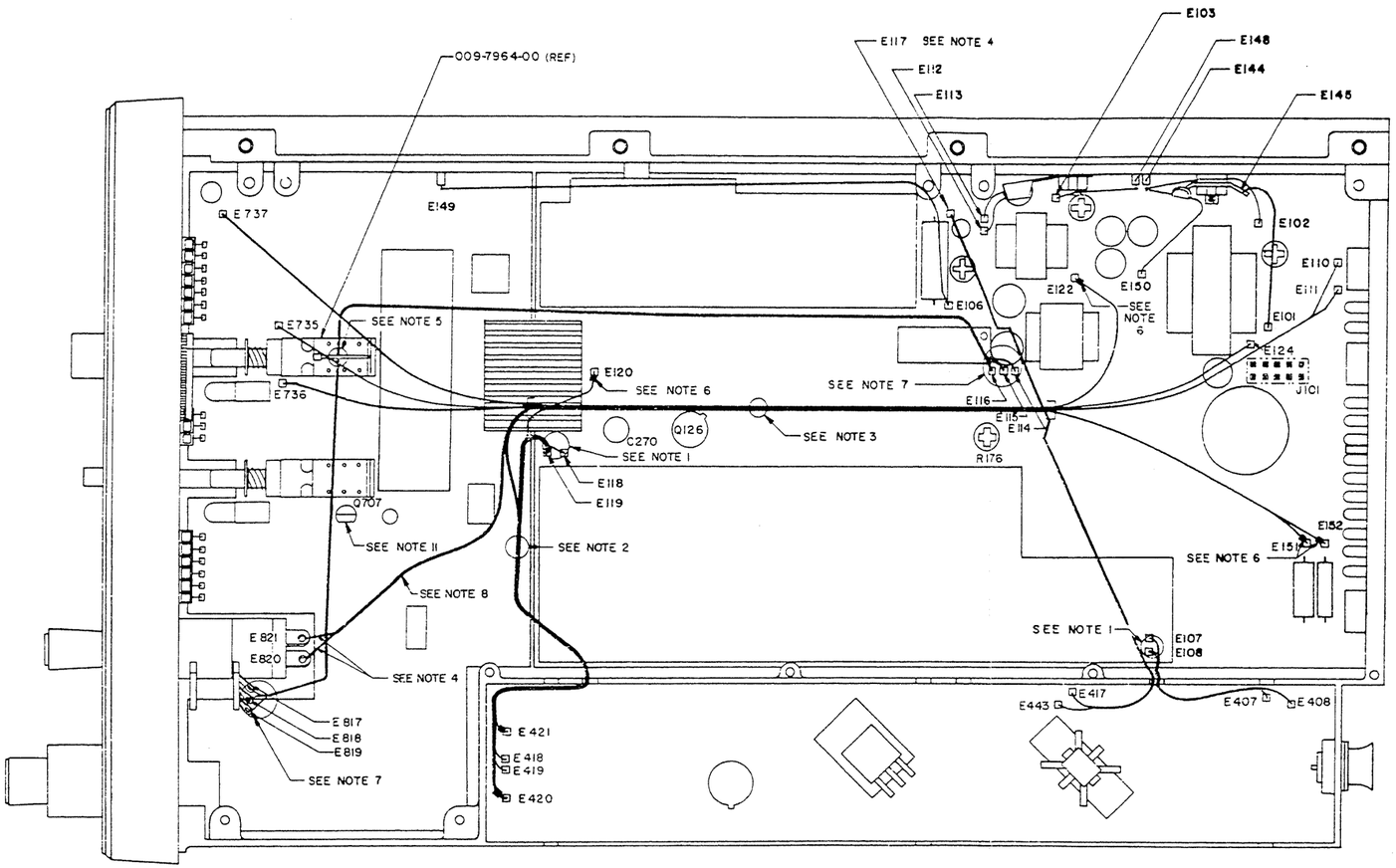
FIGURE 6-1B KY 96A Final Assembly (Sht 2 of 2)
(Dwg No 300-04268-0000, Rev 11, Sht 2)



NOTES:
1. SEE 064-1032-XX FOR CORRECT FLAVOR STICKER.
2. AFTER MOUNTING MAINBOARD ASSY. (200-7799-XX) TO CHASSIS, ATTACH TRANSISTORS TO CASTING WITH INDICATED SCREWS.
3. APPLY CEMENT (016-1015-00) SPARINGLY TO THE FRONT CYLINDRICAL SHAFT BEFORE JOINING WITH CIRCULAR BUTTON (088-2270-00).
4. TO PROPERLY LOCATE DISPLAY AND PROCESSOR BDS. FOR RT-ANGLE HEADER INSTALLATION INSTALL IN A FIXTURE OR LOOSELY JOIN THE CASTINGS (ONE SCREW) AND LOOSELY MOUNT THE BOARDS AND HEADERS. INSTALL THE BEZEL AND TIGHTEN THE FOUR SCREWS. THE BEZEL HAS NOW FIXED THE CORRECT MOUNTING POSITION FOR THE BOARDS AND THE CORRECT ALIGNMENT FOR THE CASTINGS. ALIGN THE BOARDS SO THE PUSH-PULL 25KHz INCREMENT SWITCH DOES BIND OR INTERFERE WITH THE XMIT CASTING. SECURE THE BOARDS IN PLACE AND SOLDER THE HEADERS.
5. COVER TUNING HOLES WITH COVER TAGS (012-1127-00).

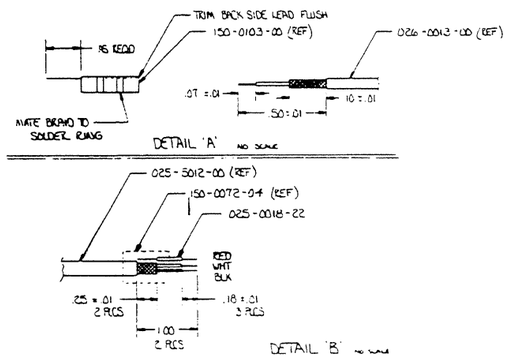
Dwg 300-04268-0000 Rev 8 Sht 1

FIGURE 6-1C KY 96A Final Assembly (Sht 1 of 2)
(Dwg No 300-04268-0000, Rev 8, Sht 1)



NOTES

1. INSTALL SOLDER SLEEVE (150-0103-00) IN THIS LOCATION. SEE DETAIL A.
2. INSTALL CABLE TIE (091-0109-00) IN THIS LOCATION.
3. INSTALL SPIROBAND TUBING (150-0060-01) TO WIRE BUNDLE
4. INSTALL SHRINK TUBING (150-0042-10) IN THIS LOCATION.
5. COVER TOP OF CABLE TIE BOARD (009-7964-00) WITH MYLAR TAPE (062-1005-02) AND SECURE COAX TO PREVENT MOVEMENT WITH A CABLE TIE (091-0109-00).
6. INSTALL FERRITE BEAD (013-0006-01) IN THIS LOCATION. SECURE BEAD TO BOARD WITH RTV (018-1071-00) TO PREVENT MOVEMENT.
7. INSTALL SOLDER SLEEVE (150-0072-04) IN THIS LOCATION. SEE DETAIL B.
8. TWIST THESE LEADS TOGETHER AT ONE AND ONE HALF TURNS PER INCH.
9. THESE LEADS ARE APART OF 200-7540-01 TRANSMITTER ASSY.
10. THESE LEADS ARE APART OF 200-4271-00 MODULATOR ASSY.
11. Q707 SHOULD BE BENT DOWN TO CLEAR VOLUME CONTROL WIRE.



WIRE CHART

FROM	TO	DESCRIPTION	KPN	LENGTH	SEE NOTE	TOL
E151	E820	18 AWG RED	025-0005-02	11.25"		± 5 %
E152	E821	18 AWG RED/WHT	025-0005-12	11.25"		
E124	E737	26 AWG RED/YEL	025-0018-24	11.00"		
E114	E817	BLACK				
E115	E818	WHT	025-5012-00	9.50"		
E116	E819	SHIELD (RED)	025-0018-22	2.00"	7	
E111	E736	26 AWG WHT/BLU	025-0018-86	10.50"		
E110	E735	26 AWG WHT/RED	025-0018-82	10.50"		
E102	E144	20 AWG TINNED COPPER	025-0004-00	2.12"	10	
E101	E145	20 AWG TINNED COPPER	025-0004-00	2.00"	10	
E103	E148	20 AWG TINNED COPPER	025-0004-00	1.25"	10	
E106	E149	20 AWG TINNED COPPER	025-0004-00	6.00"	10	
E120	E420	26 AWG GRY/WHT	025-0018-89	5.20"	9	
E422	E122	20 AWG GRN	025-0004-03	10.50"	9	
E117	E417	WHT	025-5003-99	6.50"	9	MAX
----	E443	SHIELD				
E107	E407	COAX CABLE RG 178 B/U	026-0013-00	2.25"	9	MAX
E108	E408	SHIELD				
E118	E418	COAX CABLE RG 178 B/U	026-0013-00	4.75"	9	MAX
E119	E419	SHIELD				

Dwg 300-04268-0000 Rev 8 Sht 2

FIGURE 6-1C KY 96A Final Assembly (Sht 2 of 2)
(Dwg No 300-04268-0000, Rev 8, Sht 2)

6.4.2 KY 97A VHF Communication Transceiver

064-01051-0010 97A 25 KHZ SEL REV AB
064-01051-0011 97A 50 KHZ SEL REV AB
064-01051-0030 97A 25K SEL 136975 REV AB
064-01051-0099 COMMON BOM REV AD

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0010	-0011	-0030	-0099
I108	120-03026-0000		IC MC7805CT	EA	.	.	.	1.00
Q113	007-00930-0000		XSTR S PNPMJE15029	EA	.	.	.	1.00
Q125	007-00525-0000		XSTR PWR MJE15028	EA	.	.	.	1.00
REF1	300-04268-0001		KY97A COMM TRANSC	RF	.	.	.	.00
REF100	000-00601-0003		PRODUCT STRUCTURE	RF	.	.	.	.00
	012-01005-0002		TAPE MYLAR .500 W	IN	.	.	.	.50
	012-01127-0000		TAG COVER	EA	.	.	.	4.00
	013-00006-0001		FERR BEAD	EA	.	.	.	4.00
	016-01008-0004		GLYPTAL 7526 BL	AR	.	.	.	1.00
	016-01015-0000		IND ADH 3M 4475	AR	.	.	.	1.00
	016-01071-0000		DC RTV 3140	AR	.	.	.	1.00
	025-00005-0002		WIRE 18 RED	IN	.	.	.	11.25
	025-00005-0012		WIRE 18 RD/WH	IN	.	.	.	9.00
	025-00018-0022		WIRE 26 RED	IN	.	.	.	2.00
	025-00018-0024		WIRE 26 RD/YL	IN	.	.	.	11.00
	025-00018-0092		WIRE 26 WH/RD	IN	.	.	.	10.50
	025-00018-0096		WIRE 26 WH/BU	IN	.	.	.	10.50
	025-05012-0000		WIRE 2C SHD WHTBLK	IN	.	.	.	9.50
	030-02229-0011		RGT ANG HDR 3P	EA	.	.	.	1.00
	030-02229-0013		RGT ANG HDR 7P	EA	.	.	.	1.00
	030-02229-0014		RGT ANG HDR 6P	EA	.	.	.	1.00
	035-01007-0020		CONN CVR NAS820-8	EA	.	.	.	1.00
	035-01361-0020		PROTECTIVE COVER	EA	.	.	.	1.00
	047-04811-0001		COVER XMTR W/F	EA	.	.	.	1.00
	047-08494-0501		TOP COVER ASSEMBLY	EA	1.00	1.00	1.00	.
	047-08495-0002		COVER, BOTTOM	EA	.	.	.	1.00
	047-08512-0004		MOUNTING RACK	EA	.	.	.	1.00
	057-01540-0000		WARNING HV TAG	EA	.	.	.	1.00
	057-02203-1010		S/N TAG FLVR BLK	EA	1.00	.	.	.
	057-02203-1011		S/N TAG FLVR BLK	EA	.	1.00	.	.
	057-02203-1030		S/N TAG FLVR BLK	EA	.	.	1.00	.
	057-02312-0001		DECAL	EA	.	1.00	.	.
	057-02337-0000		PRTCTV CVR DECAL	EA	.	.	.	1.00
	057-03452-0001		S/N TAG KY97A	EA	.	.	.	1.00
	057-03511-0001		DECAL, CAUTION	EA	.	.	.	1.00
	064-01051-0099		COMMON BOM	EA	1.00	1.00	1.00	.
	073-00808-0003		KNOB VOLUME	EA	.	.	.	1.00
	088-00838-0006		PUSH BUTTON	EA	.	.	.	1.00
	088-02269-0005		BEZEL LCD	EA	.	.	.	1.00
	088-02270-0000		PUSH BUTTON, RND	EA	.	.	.	1.00
	088-02271-0000		LIGHTING SHAFT	EA	.	.	.	1.00
	089-05434-0003		SCR FHP 3-48X3/16	EA	.	.	.	9.00
	089-05434-0004		SCR FHP 3-48X1/4	EA	.	.	.	8.00
	089-05874-0005		SCR PHP 2-56X5/16	EA	.	.	.	1.00
	089-05899-0003		SCR PHP 2-56X3/16	EA	.	.	.	1.00
	089-05901-0004		SCR PHP 3-48X1/4	EA	.	.	.	7.00
	089-05903-0004		SCR PHP 4-40X1/4	EA	.	.	.	3.00
	089-05925-0004		SCR BHP 3-48X1/4	EA	.	.	.	5.00
	089-06298-0004		SCR FHP 3-48X1/4	EA	.	.	.	2.00
	089-06342-0004		SCR PHP 3-48X1/4	EA	.	.	.	4.00
	090-00991-0000		PROTECTIVE CLOSURE	EA	.	.	.	1.00
	091-00109-0000		CABLE TIE	EA	.	.	.	2.00
	091-00156-0000		BUSHING	EA	.	.	.	3.00
	091-00286-0002		INSUL XSTR .687	EA	.	.	.	2.00
	150-00049-0010		SHRINK TUBING WHT	IN	.	.	.	1.25
	150-00060-0001		SPIROBAND	IN	.	.	.	5.25

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0010	-0011	-0030	-0099
	150-00072-0004		SLDR SLEEVE .62	EA	.	.	.	2.00
	150-00103-0000		SLDR SLEEVE	EA	.	.	.	2.00
	200-04270-0000		14V MODULATOR ASSY	EA	.	.	.	1.00
	200-07479-0000		LCD DISPLAY BD	EA	.	.	.	1.00
	200-07540-0000		KY97A 14V 5W TX BD	EA	.	.	.	1.00
	200-07799-0020		97A MNBD 25K FUJI	EA	1.00	.	1.00	.
	200-07799-0022		97A MN BD 50K FUJI	EA	.	1.00	.	.
	206-00021-0020		TOP SW BOM, KY96A/	EA	1.00	1.00	.	.
	206-00022-0020		TOP SW BOM, KY96A/	EA	.	.	1.00	.

064-01051-0031 97A 50K SEL 136975 REV AB
064-01051-0050 97A 25KHZ W/AUDAMP REV AB
064-01051-0051 97A 50KHZ W/AUDAMP REV AB
064-01051-0099 COMMON BOM REV AD

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0031	-0050	-0051	-0099
I108	120-03026-0000		IC MC7805CT	EA	.	.	.	1.00
Q113	007-00930-0000		XSTR S PNPMJE15029	EA	.	.	.	1.00
Q125	007-00525-0000		XSTR PWR MJE15028	EA	.	.	.	1.00
REF1	300-04268-0001		KY97A COMM TRANSC	RF	.	.	.	.00
REF100	000-00601-0003		PRODUCT STRUCTURE	RF	.	.	.	.00
	012-01005-0002		TAPE MYLAR .500 W	IN	.	.	.	.50
	012-01127-0000		TAG COVER	EA	.	.	.	4.00
	013-00006-0001		FERR BEAD	EA	.	.	.	4.00
	016-01008-0004		GLYPTAL 7526 BL	AR	.	.	.	1.00
	016-01015-0000		IND ADH 3M 4475	AR	.	.	.	1.00
	016-01071-0000		DC RTV 3140	AR	.	.	.	1.00
	025-00005-0002		WIRE 18 RED	IN	.	.	.	11.25
	025-00005-0012		WIRE 18 RD/WH	IN	.	.	.	9.00
	025-00018-0022		WIRE 26 RED	IN	.	.	.	2.00
	025-00018-0024		WIRE 26 RD/YL	IN	.	.	.	11.00
	025-00018-0092		WIRE 26 WH/RD	IN	.	.	.	10.50
	025-00018-0096		WIRE 26 WH/BU	IN	.	.	.	10.50
	025-05012-0000		WIRE 2C SHD WHTBLK	IN	.	.	.	9.50
	030-02229-0011		RGT ANG HDR 3P	EA	.	.	.	1.00
	030-02229-0013		RGT ANG HDR 7P	EA	.	.	.	1.00
	030-02229-0014		RGT ANG HDR 6P	EA	.	.	.	1.00
	035-01007-0020		CONN CVR NAS820-8	EA	.	.	.	1.00
	035-01361-0020		PROTECTIVE COVER	EA	.	.	.	1.00
	047-04811-0001		COVER XMTR W/F	EA	.	.	.	1.00
	047-08494-0501		TOP COVER ASSEMBLY	EA	1.00	.	.	.
	047-08495-0002		COVER, BOTTOM	EA	.	.	.	1.00
	047-08512-0004		MOUNTING RACK	EA	.	.	.	1.00
	047-12516-0501		TOP COVER ASSY	EA	.	1.00	1.00	.
	057-01540-0000		WARNING HV TAG	EA	.	.	.	1.00
	057-02203-1031		S/N TAG FLVR BLK	EA	1.00	.	.	.
	057-02203-1050		S/N TAG FLVR BLK	EA	.	1.00	.	.
	057-02203-1051		S/N TAG FLVR BLK	EA	.	.	1.00	.
	057-02312-0001		DECAL	EA	1.00	.	1.00	.
	057-02337-0000		PRTCTV CVR DECAL	EA	.	.	.	1.00
	057-03452-0001		S/N TAG KY97A	EA	.	.	.	1.00
	057-03511-0001		DECAL, CAUTION	EA	.	.	.	1.00
	064-01051-0099		COMMON BOM	EA	1.00	1.00	1.00	.
	073-00808-0003		KNOB VOLUME	EA	.	.	.	1.00
	088-00838-0006		PUSH BUTTON	EA	.	.	.	1.00
	088-02269-0005		BEZEL LCD	EA	.	.	.	1.00
	088-02270-0000		PUSH BUTTON, RND	EA	.	.	.	1.00
	088-02271-0000		LIGHTING SHAFT	EA	.	.	.	1.00
	089-05434-0003		SCR FHP 3-48X3/16	EA	.	.	.	9.00
	089-05434-0004		SCR FHP 3-48X1/4	EA	.	.	.	8.00
	089-05874-0005		SCR PHP 2-56X5/16	EA	.	.	.	1.00
	089-05899-0003		SCR PHP 2-56X3/16	EA	.	.	.	1.00
	089-05901-0004		SCR PHP 3-48X1/4	EA	.	.	.	7.00
	089-05903-0004		SCR PHP 4-40X1/4	EA	.	.	.	3.00
	089-05925-0004		SCR BHP 3-48X1/4	EA	.	.	.	5.00
	089-06004-0003		SCR FHP 2-56X3/16	EA	.	5.00	5.00	.
	089-06298-0004		SCR FHP 3-48X1/4	EA	.	.	.	2.00
	089-06342-0004		SCR PHP 3-48X1/4	EA	.	.	.	4.00
	090-00991-0000		PROTECTIVE CLOSURE	EA	.	.	.	1.00
	091-00109-0000		CABLE TIE	EA	.	.	.	2.00
	091-00156-0000		BUSHING	EA	.	.	.	3.00
	091-00286-0002		INSUL XSTR .687	EA	.	.	.	2.00
	150-00049-0010		SHRINK TUBING WHT	IN	.	.	.	1.25
	150-00060-0001		SPIROBAND	IN	.	.	.	5.25
	150-00072-0004		SLDR SLEEVE .62	EA	.	.	.	2.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0031	-0050	-0051	-0099
	150-00103-0000		SLDR SLEEVE	EA	.	.	.	2.00
	200-04270-0000		14V MODULATOR ASSY	EA	.	.	.	1.00
	200-07479-0000		LCD DISPLAY BD	EA	.	.	.	1.00
	200-07540-0000		KY97A 14V 5W TX BD	EA	.	.	.	1.00
	200-07797-0000		AUDIO AMP BOARD	EA	.	1.00	1.00	.
	200-07799-0020		97A MNBD 25K FUJI	EA	.	1.00	.	.
	200-07799-0022		97A MN BD 50K FUJI	EA	1.00	.	1.00	.
	206-00021-0020		TOP SW BOM, KY96A/	EA	.	1.00	1.00	.
	206-00022-0020		TOP SW BOM, KY96A/	EA	1.00	.	.	.

064-01051-0060 97A25KHZ36975W/AMP REV AB
064-01051-0061 97A50KHZ36975W/AMP REV AB
064-01051-0070 KY97A FINAL ASSY REV AF
064-01051-0099 COMMON BOM REV AD

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0060	-0061	-0070	-0099
I108	120-03026-0000		IC MC7805CT	EA	.	.	1.00	1.00
Q113	007-00930-0000		XSTR S PNPMJE15029	EA	.	.	1.00	1.00
Q125	007-00525-0000		XSTR PWR MJE15028	EA	.	.	1.00	1.00
REF1	300-04268-0001		KY97A COMM TRANSC	RF	.	.	.00	.00
REF100	000-00601-0003		PRODUCT STRUCTURE	RF	.	.	.00	.00
	012-01005-0002		TAPE MYLAR .500 W	IN	.	.	.50	.50
	012-01127-0000		TAG COVER	EA	.	.	4.00	4.00
	013-00006-0001		FERR BEAD	EA	.	.	4.00	4.00
	016-01008-0004		GLYPTAL 7526 BL	AR	.	.	1.00	1.00
	016-01015-0000		IND ADH 3M 4475	AR	.	.	1.00	1.00
	016-01071-0000		DC RTV 3140	AR	.	.	1.00	1.00
	025-00005-0002		WIRE 18 RED	IN	.	.	11.25	11.25
	025-00005-0012		WIRE 18 RD/WH	IN	.	.	9.00	9.00
	025-00018-0022		WIRE 26 RED	IN	.	.	2.00	2.00
	025-00018-0024		WIRE 26 RD/YL	IN	.	.	11.00	11.00
	025-00018-0092		WIRE 26 WH/RD	IN	.	.	10.50	10.50
	025-00018-0096		WIRE 26 WH/BU	IN	.	.	10.50	10.50
	025-05012-0000		WIRE 2C SHD WHTBLK	IN	.	.	9.50	9.50
	030-02229-0011		RGT ANG HDR 3P	EA	.	.	1.00	1.00
	030-02229-0013		RGT ANG HDR 7P	EA	.	.	1.00	1.00
	030-02229-0014		RGT ANG HDR 6P	EA	.	.	1.00	1.00
	035-01007-0020		CONN CVR NAS820-8	EA	.	.	1.00	1.00
	035-01361-0020		PROTECTIVE COVER	EA	.	.	1.00	1.00
	047-04811-0001		COVER XMTR W/F	EA	.	.	1.00	1.00
	047-08495-0002		COVER, BOTTOM	EA	.	.	1.00	1.00
	047-08512-0004		MOUNTING RACK	EA	.	.	1.00	1.00
	047-12516-0501		TOP COVER ASSY	EA	1.00	1.00	1.00	.
	057-01540-0000		WARNING HV TAG	EA	.	.	1.00	1.00
	057-02203-1060		S/N TAG FLVR BLK	EA	1.00	.	.	.
	057-02203-1061		S/N TAG FLVR BLK	EA	.	1.00	.	.
	057-02203-1070		S/N TAG FLVR BLK	EA	.	.	1.00	.
	057-02312-0001		DECAL	EA	.	1.00	.	.
	057-02337-0000		PRTCTV CVR DECAL	EA	.	.	1.00	1.00
	057-03452-0001		S/N TAG KY97A	EA	.	.	1.00	1.00
	057-03511-0001		DECAL, CAUTION	EA	.	.	1.00	1.00
	064-01051-0099		COMMON BOM	EA	1.00	1.00	.	.
	073-00808-0003		KNOB VOLUME	EA	.	.	.	1.00
	073-00972-0003		KNOB VOLUME	EA	.	.	1.00	.
	088-00838-0006		PUSH BUTTON	EA	.	.	.	1.00
	088-00838-0050		LIGHTING SHAFT	EA	.	.	1.00	.
	088-02269-0005		BEZEL LCD	EA	.	.	.	1.00
	088-02270-0000		PUSH BUTTON, RND	EA	.	.	.	1.00
	088-02270-0001		PUSH BUTTON	EA	.	.	1.00	.
	088-02271-0000		LIGHTING SHAFT	EA	.	.	1.00	1.00
	088-03101-0010		BEZEL COMPL KY97A	EA	.	.	1.00	.
	088-03130-0001		TRANSFER BUTTON	EA	.	.	1.00	.
	089-05434-0003		SCR FHP 3-48X3/16	EA	.	.	9.00	9.00
	089-05434-0004		SCR FHP 3-48X1/4	EA	.	.	8.00	8.00
	089-05874-0005		SCR PHP 2-56X5/16	EA	.	.	1.00	1.00
	089-05899-0003		SCR PHP 2-56X3/16	EA	.	.	1.00	1.00
	089-05901-0004		SCR PHP 3-48X1/4	EA	.	.	7.00	7.00
	089-05903-0004		SCR PHP 4-40X1/4	EA	.	.	3.00	3.00
	089-05925-0004		SCR BHP 3-48X1/4	EA	.	.	5.00	5.00
	089-06004-0003		SCR FHP 2-56X3/16	EA	5.00	5.00	5.00	.
	089-06298-0004		SCR FHP 3-48X1/4	EA	.	.	2.00	2.00
	089-06342-0004		SCR PHP 3-48X1/4	EA	.	.	4.00	4.00
	090-00991-0000		PROTECTIVE CLOSURE	EA	.	.	1.00	1.00
	091-00109-0000		CABLE TIE	EA	.	.	2.00	2.00
	091-00156-0000		BUSHING	EA	.	.	3.00	3.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0060	-0061	-0070	-0099
	091-00286-0002		INSUL XSTR .687	EA	.	.	2.00	2.00
	150-00049-0010		SHRINK TUBING WHT	IN	.	.	1.25	1.25
	150-00060-0001		SPIROBAND	IN	.	.	5.25	5.25
	150-00072-0004		SLDR SLEEVE .62	EA	.	.	2.00	2.00
	150-00103-0000		SLDR SLEEVE	EA	.	.	2.00	2.00
	200-04270-0000		14V MODULATOR ASSY	EA	.	.	1.00	1.00
	200-07479-0000		LCD DISPLAY BD	EA	.	.	.	1.00
	200-07479-0001		LCD DISPLAY BD	EA	.	.	1.00	.
	200-07540-0000		KY97A 14V 5W TX BD	EA	.	.	1.00	1.00
	200-07797-0000		AUDIO AMP BOARD	EA	1.00	1.00	1.00	.
	200-07799-0020		97A MNBD 25K FUJI	EA	1.00	.	1.00	.
	200-07799-0022		97A MN BD 50K FUJI	EA	.	1.00	.	.
	206-00022-0020		TOP SW BOM, KY96A/	EA	1.00	1.00	1.00	.

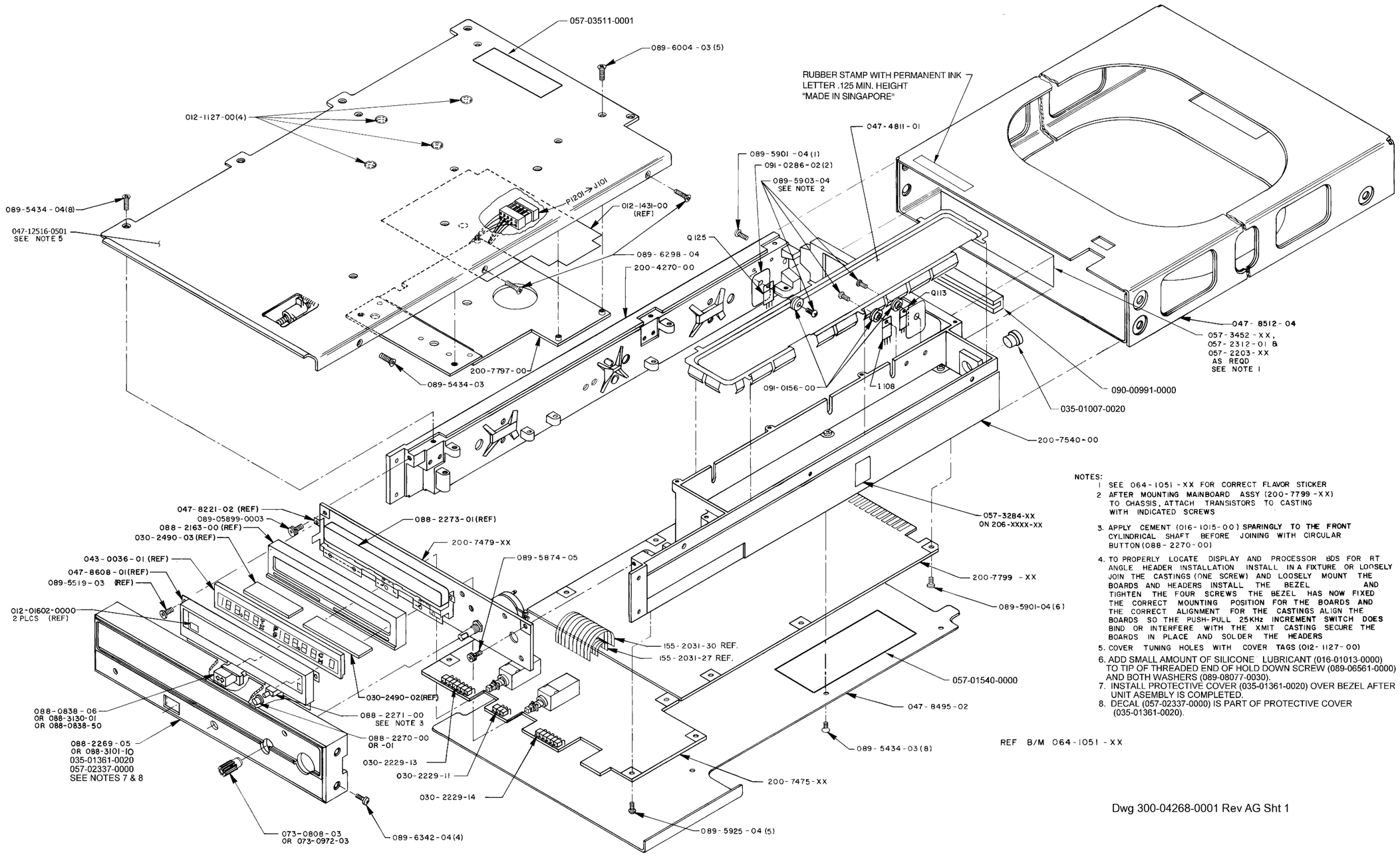
THIS PAGE CONTAINS OLD REVISION BOMS, FOR REFERENCE ONLY.

064-1051-10	97A 25 KHZ SEL	REV 4	KY 0097A
064-1051-11	97A 50 KHZ SEL	REV 4	KY 0097A
064-1051-30	97A 25K SEL 136975	REV 4	KY 0097A
064-1051-31	97A 50K SEL 136975	REV 4	KY 0097A
064-1051-50	97A 25KHZ W/AUDAMP	REV 6	KY 0097A
064-1051-51	97A 50KHZ W/AUDAMP	REV 6	KY 0097A
064-1051-60	97A25KHZ36975W/AMP	REV 6	KY 0097A
064-1051-61	97A50KHZ36975W/AMP	REV 6	KY 0097A
064-1051-70	KY97A CROWN SERIES	REV 2	KY 0097A
064-1051-99	COMMON BOM	REV 14	KY 0097A

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0010	0011	0030	0031	0050	0051	0060	0061	0070	0099
	012-01005-0002	TAPE MYLAR .500 W		IN	.	.	.	.	.	.	.	.	0.50	0.50
	012-01127-0000	TAG COVER		EA	.	.	.	.	.	.	.	.	4.00	4.00
	013-00006-0001	FERR BEAD		EA	.	.	.	.	.	.	.	.	4.00	4.00
	016-01008-0004	GLYPTAL 7526 BL		AR	.	.	.	.	.	.	.	.	1.00	1.00
	016-01015-0000	IND ADH 3M 4475		AR	.	.	.	.	.	.	.	.	1.00	1.00
	016-01071-0000	DC RTV 3140		AR	.	.	.	.	.	.	.	.	1.00	1.00
	025-00005-0002	WIRE 18 RED		IN	.	.	.	.	.	.	.	.	11.25	11.25
	025-00005-0012	WIRE 18 RD/WH		IN	.	.	.	.	.	.	.	.	11.25	11.25
	025-00018-0022	WIRE 26 RED		IN	.	.	.	.	.	.	.	.	2.00	2.00
	025-00018-0024	WIRE 26 RD/YL		IN	.	.	.	.	.	.	.	.	11.00	11.00
	025-00018-0092	WIRE 26 WH/RD		IN	.	.	.	.	.	.	.	.	10.50	10.50
	025-00018-0096	WIRE 26 WH/BU		IN	.	.	.	.	.	.	.	.	10.50	10.50
	025-05012-0000	WIRE 2C SHD WHTBLK		IN	.	.	.	.	.	.	.	.	9.50	9.50
	030-02229-0011	RGT ANG HDR 3P		EA	.	.	.	.	.	.	.	.	1.00	1.00
	030-02229-0013	RGT ANG HDR 7P		EA	.	.	.	.	.	.	.	.	1.00	1.00
	030-02229-0014	RGT ANG HDR 6P		EA	.	.	.	.	.	.	.	.	1.00	1.00
	047-04811-0001	COVER XMTR W/F	A	EA	.	.	.	.	.	.	.	.	1.00	1.00
	047-08494-0003	COVER, TOP	A	EA	1.00	1.00	1.00	1.00	.	.	.	.	.	.
	047-08494-0014	TOP COVER	A	EA	.	.	.	.	1.00	1.00	1.00	1.00	1.00	.
	047-08495-0002	COVER, BOTTOM	A	EA	.	.	.	.	.	.	.	.	1.00	1.00
	047-08512-0004	MOUNTING RACK	A	EA	.	.	.	.	.	.	.	.	1.00	1.00
	057-02203-1010	S/N TAG FLVR BLK		EA	1.00	.	.	.	.	.	.	.	.	.
	057-02203-1011	S/N TAG FLVR BLK		EA	.	1.00	.	.	.	.	.	.	.	.
	057-02203-1030	S/N TAG FLVR BLK		EA	.	.	1.00	.	.	.	.	.	.	.
	057-02203-1031	S/N TAG FLVR BLK		EA	.	.	.	1.00	.	.	.	.	.	.
	057-02203-1050	S/N TAG FLVR BLK		EA	.	.	.	.	1.00	.	.	.	.	.
	057-02203-1051	S/N TAG FLVR BLK		EA	.	.	.	.	.	1.00	.	.	.	.
	057-02203-1060	S/N TAG FLVR BLK		EA	.	.	.	.	.	.	1.00	.	.	.
	057-02203-1061	S/N TAG FLVR BLK		EA	.	.	.	.	.	.	.	1.00	.	.
	057-02203-1070	S/N TAG FLVR BLK		EA	.	.	.	.	.	.	.	.	1.00	.
	057-02312-0001	DECAL		EA	.	1.00	.	1.00	.	1.00	.	1.00	.	.
	057-03452-0001	S/N TAG KY97A		EA	.	.	.	.	.	.	.	.	1.00	1.00
	064-01051-0099	COMMON BOM	A	EA	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	.	.
	073-00379-0002	HOLD DOWN 80	A	EA	.	.	.	.	.	.	.	.	1.00	1.00
	073-00808-0003	KNOB VOLUME	A	EA	.	.	.	.	.	.	.	.	.	1.00
	073-00972-0003	KNOB VOLUME	A	EA	.	.	.	.	.	.	.	.	1.00	.
	088-00838-0006	PUSH BUTTON	A	EA	.	.	.	.	.	.	.	.	.	1.00
	088-00838-0050	LIGHTING SHAFT		EA	.	.	.	.	.	.	.	.	1.00	.
	088-02269-0005	BEZEL LCD	A	EA	.	.	.	.	.	.	.	.	.	1.00
	088-02270-0000	PUSH BUTTON, RND		EA	.	.	.	.	.	.	.	.	.	1.00
	088-02270-0001	PUSH BUTTON		EA	.	.	.	.	.	.	.	.	1.00	.
	088-02271-0000	LIGHTING SHAFT		EA	.	.	.	.	.	.	.	.	1.00	1.00
	088-03101-0003	BEZEL	A	EA	.	.	.	.	.	.	.	.	1.00	.
	088-03130-0001	TRANSFER BUTTON	A	EA	.	.	.	.	.	.	.	.	1.00	.

THIS PAGE CONTAINS OLD REVISION BOMS, FOR REFERENCE ONLY.

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0010	0011	0030	0031	0050	0051	0060	0061	0070	0099
	089-05434-0003	SCR FHP 3-48X3/16		EA	.	.	.	.	.	.	.	.	9.00	9.00
	089-05434-0004	SCR FHP 3-48X1/4		EA	.	.	.	.	.	.	.	.	8.00	8.00
	089-05874-0005	SCR PHP 2-56X5/16		EA	.	.	.	.	.	.	.	.	2.00	2.00
	089-05901-0004	SCR PHP 3-48X1/4		EA	.	.	.	.	.	.	.	.	7.00	7.00
	089-05903-0004	SCR PHP 4-40X1/4		EA	.	.	.	.	.	.	.	.	3.00	3.00
	089-05925-0004	SCR BHP 3-48X1/4		EA	.	.	.	.	.	.	.	.	5.00	5.00
	089-06004-0003	SCR FHP 2-56X3/16		EA	.	.	.	.	5.00	5.00	5.00	5.00	5.00	.
	089-06298-0004	SCR FHP 2-48X1/4		EA	.	.	.	.	.	.	.	.	2.00	2.00
	089-06342-0004	SCR PHP 3-48X1/4		EA	.	.	.	.	.	.	.	.	4.00	4.00
	089-06561-0000	SCR SHC 6-32X1.140		EA	.	.	.	.	.	.	.	.	1.00	1.00
	089-08077-0030	WASHER		AR	.	.	.	.	.	.	.	.	1.00	1.00
	089-08231-0000	WASHER FLAT		EA	.	.	.	.	.	.	.	.	1.00	1.00
	090-00265-0000	PIN GRO .046X.250		EA	.	.	.	.	.	.	.	.	1.00	1.00
	091-00109-0000	CABLE TIE .234		EA	.	.	.	.	.	.	.	.	2.00	2.00
	091-00156-0000	BUSHING		EA	.	.	.	.	.	.	.	.	3.00	3.00
	091-00286-0002	INSUL XSTR .687		EA	.	.	.	.	.	.	.	.	2.00	2.00
	150-00049-0010	TUBING SHRINK WHT		IN	.	.	.	.	.	.	.	.	1.25	1.25
	150-00060-0001	SPIROBAND		IN	.	.	.	.	.	.	.	.	5.25	5.25
	150-00072-0004	SLDR SLEEVE .62		EA	.	.	.	.	.	.	.	.	2.00	2.00
	150-00103-0000	SLDR SLEEVE		EA	.	.	.	.	.	.	.	.	2.00	2.00
	155-02031-0027	JUMPER CABLE 9C		EA	.	.	.	.	.	.	.	.	1.00	1.00
	155-02031-0030	JUMPER CABLE 9C		EA	.	.	.	.	.	.	.	.	1.00	1.00
	200-04270-0000	14V MODULATOR ASSY	A	EA	.	.	.	.	.	.	.	.	1.00	1.00
	200-07479-0000	LCD DISPLAY BD	A	EA	.	.	.	.	.	.	.	.	1.00	1.00
	200-07540-0000	KY97A 14V 5W TX BD	A	EA	.	.	.	.	.	.	.	.	1.00	1.00
	200-07797-0000	AUDIO AMP BOARD	A	EA	.	.	.	.	1.00	1.00	1.00	1.00	1.00	.
	200-07799-0000	97A MAIN BD 25KHZ	A	EA	1.00	.	1.00	.	1.00	.	1.00	.	1.00	.
	200-07799-0002	97A MAIN BD 50KHZ	A	EA	.	1.00	.	1.00	.	1.00	.	1.00	.	.
	206-00021-0000	UNITHW/SWSET135975	A	EA	1.00	1.00	.	.	1.00	1.00	.	.	.	.
	206-00022-0000	UNITHW/SWSET136975	A	EA	.	.	1.00	1.00	.	.	1.00	1.00	1.00	.
I 108	120-03026-0000	IC MC7805CT		EA	.	.	.	.	.	.	.	.	1.00	1.00
Q 113	007-00930-0000	XSTR S PNPMJE15029		EA	.	.	.	.	.	.	.	.	1.00	1.00
Q 125	007-00525-0000	XSTR PWR MJE15028		EA	.	.	.	.	.	.	.	.	1.00	1.00
REF 1	300-04268-0001	FINAL ASSY KY97A		RF	.	.	.	.	.	.	.	.	X.	X.
REF 100	000-00601-0003	FLOW CHT KY97A	A	RF	.	.	.	.	.	.	.	.	X.	X.

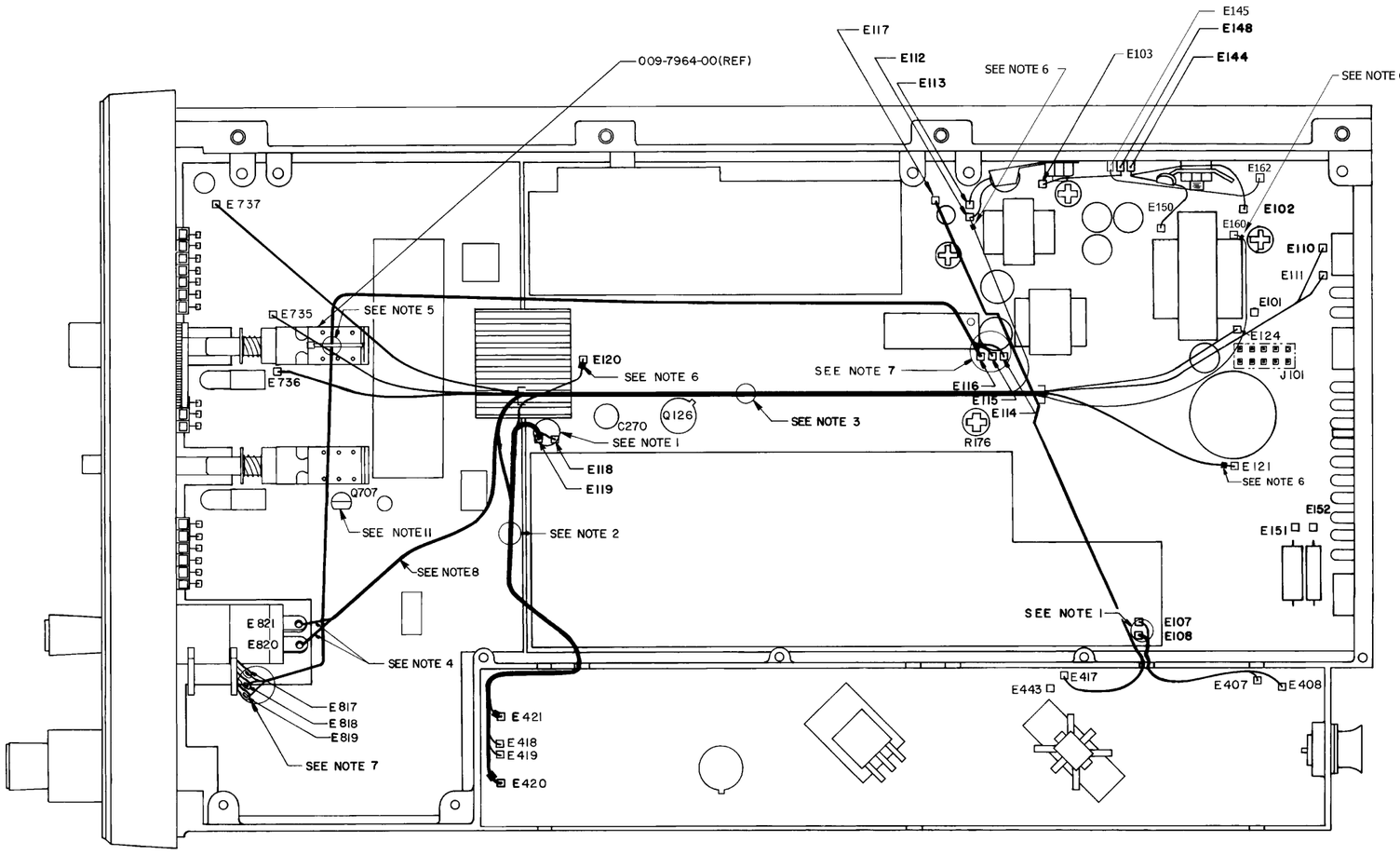


NOTES:

1. SEE 064-1051-XX FOR CORRECT FLAVOR STICKER
2. AFTER MOUNTING MAINBOARD ASSY (200-7799-XX) TO CHASSIS, ATTACH TRANSISTORS TO CASTING WITH INDICATED SCREWS
3. APPLY CEMENT (016-1015-00) SPARINGLY TO THE FRONT CYLINDRICAL SHAFT BEFORE JOINING WITH CIRCULAR BUTTON (088-2270-00)
4. TO PROPERLY LOCATE DISPLAY AND PROCESSOR BDS FOR RT ANGLE HEADER INSTALLATION INSTALL IN A FIXTURE OR LOOSELY JOIN THE CASTINGS (ONE SCREW) AND LOOSELY MOUNT THE BOARDS AND HEADERS INSTALL THE BEZEL AND TIGHTEN THE FOUR SCREWS THE BEZEL HAS NOW FIXED THE CORRECT MOUNTING POSITION FOR THE BOARDS AND THE CORRECT ALIGNMENT FOR THE CASTINGS ALIGN THE BOARDS SO THE PUSH-PULL 25KHz INCREMENT SWITCH DOES BIND OR INTERFERE WITH THE XMIT CASTING SECURE THE BOARDS IN PLACE AND SOLDER THE HEADERS
5. COVER TUNING HOLES WITH COVER TAGS (012-1127-00)
6. ADD SMALL AMOUNT OF SILICONE LUBRICANT (016-01013-0000) TO TIP OF THREADED END OF HOLD DOWN SCREW (089-06561-0000) AND BOTH WASHERS (089-08077-0030).
7. INSTALL PROTECTIVE COVER (035-01361-0020) OVER BEZEL AFTER UNIT ASEMBLY IS COMPLETED.
8. DECAL (057-02337-0000) IS PART OF PROTECTIVE COVER (035-01361-0020).

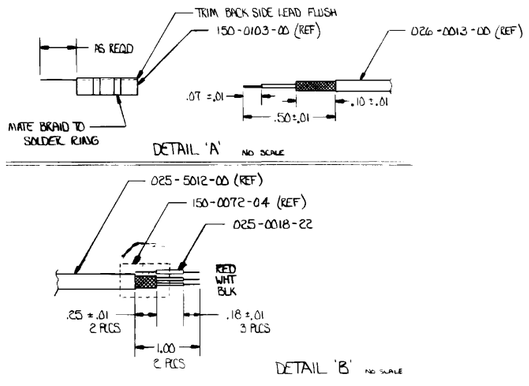
Dwg 300-04268-0001 Rev AG Sht 1

FIGURE 6-2 KY 97A Final Assembly (Sht 1 of 2)
(Dwg No 300-04268-0001, Rev AG, Sht 1)



NOTES

1. INSTALL SOLDER SLEEVE (150-0103-00) IN THIS LOCATION. SEE DETAIL A.
2. INSTALL CABLE TIE (091-0109-00) IN THIS LOCATION.
3. INSTALL SPIROBAND TUBING (150-0060-01) TO WIRE BUNDLE
4. NOTE DELETED
5. COVER TOP OF CABLE TIE BOARD (009-7964-00) WITH MYLAR TAPE (012-1005-02) AND SECURE COAX TO PREVENT MOVEMENT WITH A CABLE TIE (091-0109-00).
6. INSTALL FERRITE BEAD (013-0006-01) IN THIS LOCATION. SECURE BEAD TO BOARD WITH RTV (016-1071-00) TO PREVENT MOVEMENT.
7. INSTALL SOLDER SLEEVE (150-0072-04) IN THIS LOCATION. SEE DETAIL B.
8. TWIST THESE LEADS TOGETHER AT ONE AND ONE HALF TURNS PER INCH.
9. THESE LEADS ARE APART OF 200-7540-01 TRANSMITTER ASSY.
10. THESE LEADS ARE APART OF 200-4271-00 MODULATOR ASSY.
11. Q707 SHOULD BE BENT DOWN TO CLEAR VOLUME CONTROL WIRE.



WIRE CHART

FROM	TO	DESCRIPTION	KPN	LENGTH	SEE NOTE	TOL
E160	E820	18 AWG RED	025-0005-02	11.25"		±5%
E112	E821	18 AWG RED/WHT	025-0005-12	9.00"		
E124	E737	26 AWG RED/YEL	025-0018-24	11.00"		
E114	E817	BLACK				
E115	E818	WHT	025-5012-00	9.50"		
E116	E819	SHIELD (RED)	025-0018-22	2.00"	7	
E111	E736	26 AWG WHT/BLU	025-0018-86	10.50"		
E110	E735	26 AWG WHT/RED	025-0018-82	10.50"		
E102	E144	20 AWG TINNED COPPER	026-0004-00	1.50"	10	
E162	E145	20 AWG TINNED COPPER	026-0004-00	1.50"	10	
E103	E148	20 AWG TINNED COPPER	026-0004-00	1.50"	10	
E120	E420	26 AWG GRY/WHT	025-0018-89	5.20"	9	
E421	E121	20 AWG ORN	025-0004-03	10.30"	9	
E117	E417	18 AWG RED	025-0005-02	6.00"	9	MAX
---	E443					
E107	E407	COAX CABLE RG 178 B/U	026-0013-00	2.25"	9	MAX
E108	E408	SHIELD				
E118	E418	COAX CABLE RG 178 B/U	026-0013-00	4.75"	9	MAX
E119	E419	SHIELD				

Dwg 300-04268-0001 Rev AG Sht 2

FIGURE 6-2 KY 97A Final Assembly (Sht 2 of 2)
(Dwg No 300-04268-0001, Rev AG, Sht 2)

6.4.3 KY 96A, KY 97A Unit Software Set

206-00021-0020 TOP SW BOM, KY96A/97A REV -
206-00022-0020 TOP SW BOM, KY96A/97A REV -

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0020	-0020
	057-03284-0020		SCM TAG	EA	1.00	1.00
	205-00506-0020		BOARD HW/SW SET, K	EA	1.00	.
	205-00507-0020		BOARD HW/SW SET,	EA	.	1.00

205-00506-0020 BOARD HW/SW SET, KY96A/97A REV -
205-00507-0020 BOARD HW/SW SET, KY96A/97A REV -

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0020	-0020
	057-05252-0506		IDT 206-00506-00XX	EA	1.00	.
	057-05252-0507		IDT 206-00507-00XX	EA	.	1.00
	057-05335-0020		DECAL 205 DASH 20	EA	1.00	1.00
	125-00241-0020		SOFTWARE SET	EA	1.00	1.00
	200-07475-0000		LCD PROCESSOR BD	EA	1.00	.
	200-07475-0001		LCD PROC 136.975	EA	.	1.00

125-00241-0020 SOFTWARE SET REV A

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0020
	122-00605-0020		122-00605-0020 IS	EA	1.00

NOTE: Programmed chip P/N 122-00605-0020 = I702.

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206-00021-0000 REV 0 BDHW/SWSET135975 KY 0096A

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000
	057-03284-0000	UNIT SOFTWARE V00		EA	1.00
	205-00506-0000	BDHW/SWSET135975	A	EA	1.00

205-00506-0000 REV 0 BDHW/SWSET135975 KY 0096A KY 0097A

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000
	057-02241-0000	IDENT LABEL WB-00		EA	1.00
	057-03531-0018	SOFTWR REV TAG		EA	1.00
	125-00241-0000	KY196/7A VHF XCVR	A	EA	1.00
	200-07475-0000	LCD PROCESSOR BD	A	EA	1.00

125-00241-0000 KY196/7A VHF XCVR SOFTWARE SET REV 2 KY 0096A KY 0097A

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000
I 507	122-00605-0000	VHF COMM CONTROL	A	EA	1.00

206-00022-0000 REV 0 UNITHW/SWSET136975 KY 0096A KY 0097A

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000
	057-03284-0000	UNIT SOFTWARE V00		EA	1.00
	205-00507-0000	BDHW/SWSET136975	A	EA	1.00

205-00507-0000 REV 0 BDHW/SWSET136975 KY 0096A KY 0097A

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000
	057-02241-0000	IDENT LABEL WB-00		EA	1.00
	057-03531-0019	SOFTWR REV TAG		EA	1.00
	125-00241-0000	KY196/7A VHF XCVR	A	EA	1.00
	200-07475-0001	LCD PROC 136.975	A	EA	1.00

125-00241-0000 KY196/7A VHF XCVR SOFTWARE SET REV 2 KY 0096A KY 0097A

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000
I 507	122-00605-0000	VHF COMM CONTROL	A	EA	1.00

NOTE: Programmed chip P/N 122-00605-0000 is actually I702.

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6.4.4 LCD Processor Board

200-07475-0000 LCD PROCESSOR BD REV 0
200-07475-0001 LCD PROC 136.975 REV 1
200-07475-0099 LCD PROC COMMON REV AB

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000	-0001	-0099
C701	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	1.00
C702	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	1.00
C703	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	1.00
C704	097-00108-0007		CAP EL 10UF 16V	EA	.	.	1.00
C705	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	1.00
C706	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	1.00
C707	106-04154-0078		CAP CH 150KZ5U/50V	EA	.	.	1.00
CR701	007-05117-0007		DIO Z 6.2V SOT	EA	.	.	1.00
CR702	007-06025-0000		DIO S 1N4003	EA	.	.	1.00
CR703	007-06025-0000		DIO S 1N4003	EA	.	.	1.00
CR704	999-09999-0098		PLACE HOLDER	RF	.	.	.00
CR705	999-09999-0098		PLACE HOLDER	RF	.	.	.00
CR706	007-06105-0000		DIO HV FDH444	EA	.	.	1.00
CR707	007-06105-0000		DIO HV FDH444	EA	.	.	1.00
CR708	007-06223-0000		DIO DUAL SWITCHING	EA	.	.	1.00
CR709	007-06181-0000		DIO DUAL MMBD2835	EA	.	.	1.00
CR710	007-06181-0000		DIO DUAL MMBD2835	EA	.	.	1.00
CR711	007-06025-0000		DIO S 1N4003	EA	.	.	1.00
CR712	007-06025-0000		DIO S 1N4003	EA	.	.	1.00
DS701	037-00034-0002		LMP 8098 T1 14V	EA	.	.	1.00
DS702	037-00034-0002		LMP 8098 T1 14V	EA	.	.	1.00
I701	120-03163-0001		LM2901 SO-14 COMP	EA	.	.	1.00
I702	122-00605-9999		SOFTWARE PLACEHOLD	RF	.	.	.00
I703	120-03127-0011		IC LM2903 SO PKG	EA	.	.	1.00
I704	120-02156-0000		16X16 BIT EEPROM	EA	.	.	1.00
I705	123-04024-0003		IC 74HC4024 SO-14	EA	.	.	1.00
I706	120-03246-0000		TLC541IFN AID CONV	EA	.	.	1.00
Q701	007-00280-0000		XSTR E176/J176	EA	.	.	1.00
Q702	007-00466-0000		XSTR S PNP MMBTA56	EA	.	.	1.00
Q703	007-00467-0000		XSTR S NPN MMBTA06	EA	.	.	1.00
Q704	007-00467-0000		XSTR S NPN MMBTA06	EA	.	.	1.00
Q705	007-00466-0000		XSTR S PNP MMBTA56	EA	.	.	1.00
Q706	007-00467-0000		XSTR S NPN MMBTA06	EA	.	.	1.00
Q707	007-00454-0000		VMOS PWRFET	EA	.	.	1.00
Q708	007-00179-0001		XSTR SOT23 2N3904	EA	.	.	1.00
Q709	007-00466-0000		XSTR S PNP MMBTA56	EA	.	.	1.00
R701	139-02001-0000		RES CHIP 2K EW 1%	EA	.	.	1.00
R702	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R703	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R704	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	1.00
R705	139-05621-0000		RES CHIP 5.62KEW1%	EA	.	.	1.00
R706	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R707	139-04751-0000		RES CH 4.75K EW 1%	EA	.	.	1.00
R708	139-03011-0000		RES CH 3.01K EW 1%	EA	.	.	1.00
R709	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R710	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R711	139-09092-0000		RES CHIP 90.9KEW1%	EA	.	.	1.00
R712	131-00104-0013		RES CF 100K EW 5%	EA	.	.	1.00
R713	136-08871-0062		RES PF 8.87K EW1%	EA	.	.	1.00
R714	136-04872-0062		RES PF 48.7K EW 1%	EA	.	.	1.00
R715	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	1.00
R716	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R717	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R718	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	1.00
R719	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R720	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R721	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000	-0001	-0099
R722	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R723	139-02742-0000		RES CHIP 27.4KEW1%	EA	.	.	1.00
R724	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R725	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R726	999-09999-0098		PLACE HOLDER	RF	.	.	.00
R727	139-03322-0000		RES CH 33.2K EW 1%	EA	.	.	1.00
R728	139-01822-0000		RES CHIP 18.2KEW1%	EA	.	.	1.00
R729	139-08252-0000		RES CH 82.5K EW 1%	EA	.	.	1.00
R730	139-01822-0000		RES CHIP 18.2KEW1%	EA	.	.	1.00
R731	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R732	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R733	139-02741-0000		RES CH 2.74K EW 1%	EA	.	.	1.00
R734	139-02741-0000		RES CH 2.74K EW 1%	EA	.	.	1.00
R735	139-02741-0000		RES CH 2.74K EW 1%	EA	.	.	1.00
R736	139-04751-0000		RES CH 4.75K EW 1%	EA	.	.	1.00
R737	139-03922-0000		RES CH 39.2K EW 1%	EA	.	.	1.00
R738	139-06192-0000		RES CH 61.9K EW 1%	EA	.	.	1.00
R739	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	1.00
R740	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R741	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R742	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R743	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R744	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	1.00
R745	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	1.00
R746	139-02001-0000		RES CHIP 2K EW 1%	EA	.	.	1.00
R747	139-02001-0000		RES CHIP 2K EW 1%	EA	.	.	1.00
R748	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	1.00
R749	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	1.00
R750	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	1.00
R751	139-00100-0000		RES CHIP 10 EW 1%	EA	.	.	1.00
R752	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	1.00
R753	139-00100-0000		RES CHIP 10 EW 1%	EA	.	.	1.00
R754	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	1.00
R755	139-03922-0000		RES CH 39.2K EW 1%	EA	.	.	1.00
R756	999-09999-0098		PLACE HOLDER	RF	.	.	.00
R757	999-09999-0098		PLACE HOLDER	RF	.	.	.00
R758	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	1.00
R759	139-05110-0000		RES CH 511 EW 1%	EA	.	.	1.00
R760	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R761	139-09091-0000		RES CH 9.09K EW 1%	EA	.	.	1.00
R762	130-05000-0025		RES CHIP 0 EW CJ	EA	1.00	1.00	.
R763	130-05000-0025		RES CHIP 0 EW CJ	EA	1.00	.	.
R764	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	1.00
R765	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	1.00
R766	132-00204-0048		1 WATT 390 OHM	EA	.	.	1.00
R767	132-00204-0034		1 WATT 82 OHM	EA	.	.	1.00
REF1	300-07475-0000		LCD PROC BD ASSY	RF	.	.	.00
REF2	002-07475-0000		KY 961/97A LCD PRO	RF	.	.	.00
S701	031-00343-0002		SWITCH	EA	.	.	1.00
S702	031-00536-0000		SWITCH MOMENTARY	EA	.	.	1.00
S703	031-00536-0000		SWITCH MOMENTARY	EA	.	.	1.00
TP701	008-00096-0001		TERMINAL TEST PNT	EA	.	.	1.00
TP702	008-00096-0001		TERMINAL TEST PNT	EA	.	.	1.00
	009-07475-0000		PC BD LCD PROC BD	EA	.	.	1.00
	009-07964-0000		CABLE TIE BD	EA	.	.	1.00
	016-01040-0000		COATING TYPE AR	AR	.	.	1.00
	016-01122-0000		EPOXY DEVCON 14250	AR	.	.	1.00
	088-03413-0001		SWITCH MOUNTING	EA	.	.	1.00
	200-07475-0099		LCD PROC COMMON	EA	1.00	1.00	.

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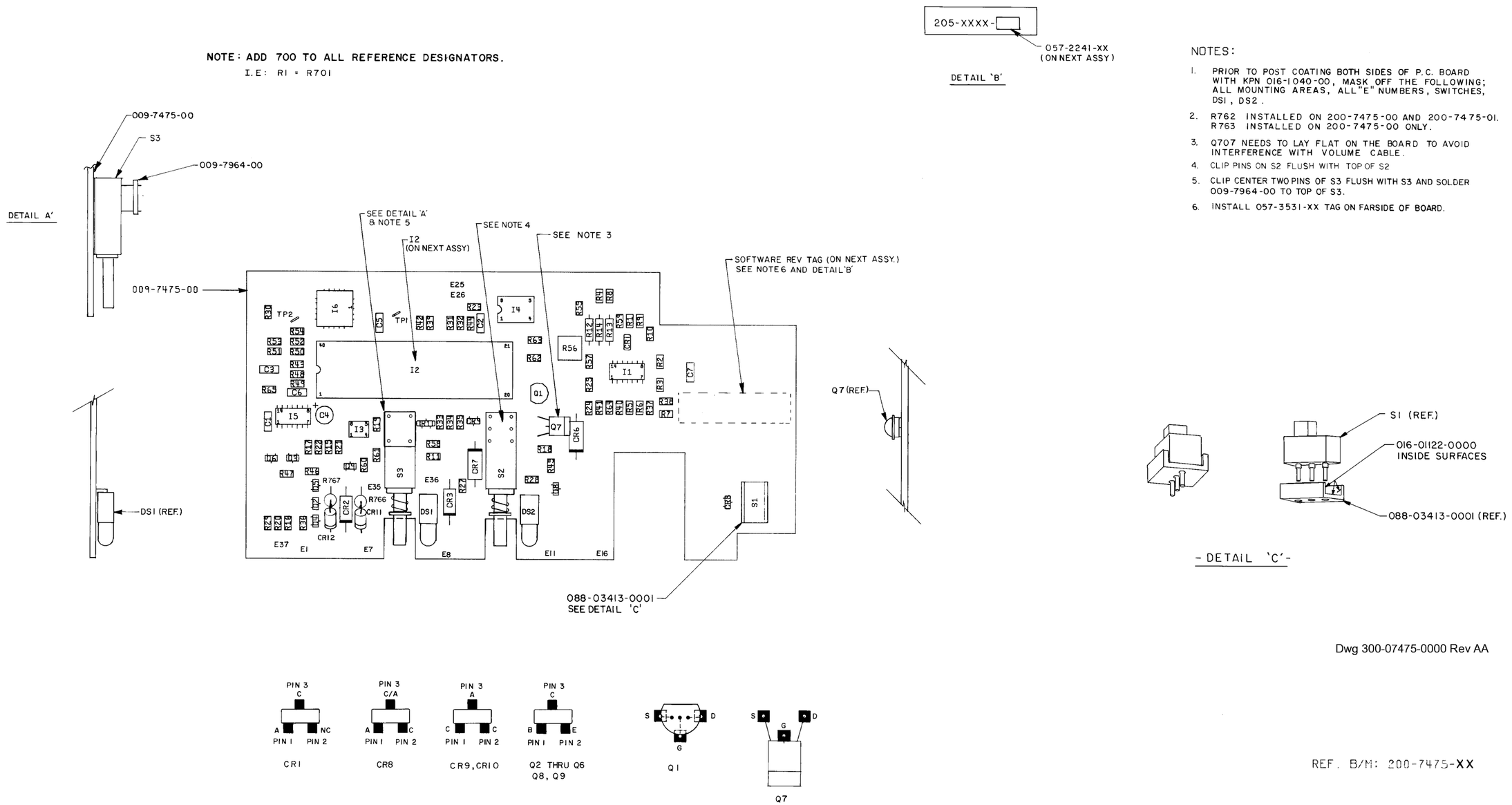
200-07475-0000 LCD PROCESSOR BD REV 0 KY 0096A KY 0097A
200-07475-0001 LCD PROC 136.975 REV 1 KY 0096A KY 0097A
200-07475-0099 LCD PROC COMMON REV 7 KY 0096A KY 0097A

SYMBOL		PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000	0001	0099
		009-07475-0000	PC BD LCD PROC BD		EA	.	.	1.00
		009-07964-0000	CABLE TIE BD		EA	.	.	1.00
		016-01040-0000	COATING TYPE AR		AR	.	.	1.00
		200-07475-0099	LCD PROC COMMON	A	EA	1.00	1.00	.
C	701	106-04121-0026	CAPCH120PFNP0/100V		EA	.	.	1.00
C	702	106-04473-0047	CAP CH 47K X7R/50V		EA	.	.	1.00
C	703	106-04473-0047	CAP CH 47K X7R/50V		EA	.	.	1.00
C	704	097-00108-0007	CAP EL 10UF 16V		EA	.	.	1.00
C	705	106-04473-0047	CAP CH 47K X7R/50V		EA	.	.	1.00
C	706	106-04121-0026	CAPCH120PFNP0/100V		EA	.	.	1.00
C	707	106-04154-0078	CAP CH 150KZ5U/50V		EA	.	.	1.00
CR	701	007-05117-0007	DIO Z 6.2V SOT		EA	.	.	1.00
CR	702	007-06025-0000	DIO S 1N4003		EA	.	.	1.00
CR	703	007-06025-0000	DIO S 1N4003		EA	.	.	1.00
CR	704	999-09999-0098	NOT USED		RF	.	.	X.
CR	705	999-09999-0098	NOT USED		RF	.	.	X.
CR	706	007-06105-0000	DIO HV FDH444		EA	.	.	1.00
CR	707	007-06105-0000	DIO HV FDH444		EA	.	.	1.00
CR	708	007-06223-0000	DIO DA204K		EA	.	.	1.00
CR	709	007-06181-0000	DIO DUAL MMBD2835		EA	.	.	1.00
CR	710	007-06181-0000	DIO DUAL MMBD2835		EA	.	.	1.00
CR	711	007-06025-0000	DIO S 1N4003		EA	.	.	1.00
CR	712	007-06025-0000	DIO S 1N4003		EA	.	.	1.00
DS	701	037-00034-0002	LMP 8098 T1 14V		EA	.	.	1.00
DS	702	037-00034-0002	LMP 8098 T1 14V		EA	.	.	1.00
I	701	120-03163-0001	LM2901 SO-14 COMP		EA	.	.	1.00
I	702	999-09999-0090	REF SFTWARE SET		RF	.	.	X.
I	703	120-03127-0011	IC LM2903 SO PKG		EA	.	.	1.00
I	704	120-02156-0000	16X16 BIT EEPROM		EA	.	.	1.00
I	705	123-04024-0003	IC 74HC4024 SO-14		EA	.	.	1.00
I	706	120-03246-0000	TLC541IFN AID CONV		EA	.	.	1.00
Q	701	007-00280-0000	XSTR E176/J176		EA	.	.	1.00
Q	702	007-00466-0000	XSTR S PNP MMBTA56		EA	.	.	1.00
Q	703	007-00467-0000	XSTR S NPN MMBTA06		EA	.	.	1.00
Q	704	007-00467-0000	XSTR S NPN MMBTA06		EA	.	.	1.00
Q	705	007-00466-0000	XSTR S PNP MMBTA56		EA	.	.	1.00
Q	706	007-00467-0000	XSTR S NPN MMBTA06		EA	.	.	1.00
Q	707	007-00454-0000	VMOS PWRFET VN10KM		EA	.	.	1.00
Q	708	007-00179-0001	XSTR SOT23 2N3904		EA	.	.	1.00
Q	709	007-00466-0000	XSTR S PNP MMBTA56		EA	.	.	1.00
R	701	139-02001-0000	RES CHIP 2K EW 1%		EA	.	.	1.00
R	702	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R	703	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R	704	139-01001-0000	RES CHIP 1K EW 1%		EA	.	.	1.00
R	705	139-05621-0000	RES CHIP 5.62KEW1%		EA	.	.	1.00
R	706	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R	707	139-04751-0000	RES CH 4.75K EW 1%		EA	.	.	1.00
R	708	139-03011-0000	RES CH 3.01K EW 1%		EA	.	.	1.00
R	709	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R	710	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R	711	139-09092-0000	RES CHIP 90.9KEW1%		EA	.	.	1.00
R	712	131-00104-0013	RES CF 100K EW 5%		EA	.	.	1.00
R	713	136-08871-0062	RES PF 8.87K EW1%		**	.	.	1.00
R	714	136-04872-0062	RES PF 48.7K EW 1%		EA	.	.	1.00
R	715	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	1.00
R	716	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R	717	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00

THIS PAGE CONTAINS OLD REVISION BOMS, FOR REFERENCE ONLY.

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000	0001	0099
R 718	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	1.00
R 719	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R 720	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R 721	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	1.00
R 722	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R 723	139-02742-0000	RES CHIP 27.4KEW1%		EA	.	.	1.00
R 724	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R 725	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R 726	999-09999-0098	NOT USED		RF	.	.	X.
R 727	139-03322-0000	RES CH 33.2K EW 1%		EA	.	.	1.00
R 728	139-01822-0000	RES CHIP 18.2KEW1%		EA	.	.	1.00
R 729	139-08252-0000	RES CH 82.5K EW 1%		EA	.	.	1.00
R 730	139-01822-0000	RES CHIP 18.2KEW1%		EA	.	.	1.00
R 731	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R 732	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R 733	139-02741-0000	RES CH 2.74K EW 1%		EA	.	.	1.00
R 734	139-02741-0000	RES CH 2.74K EW 1%		EA	.	.	1.00
R 735	139-02741-0000	RES CH 2.74K EW 1%		EA	.	.	1.00
R 736	139-04751-0000	RES CH 4.75K EW 1%		EA	.	.	1.00
R 737	139-03922-0000	RES CH 39.2K EW 1%		EA	.	.	1.00
R 738	139-06192-0000	RES CH 61.9K EW 1%		EA	.	.	1.00
R 739	139-01001-0000	RES CHIP 1K EW 1%		EA	.	.	1.00
R 740	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R 741	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R 742	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R 743	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R 744	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	1.00
R 745	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	1.00
R 746	139-02001-0000	RES CHIP 2K EW 1%		EA	.	.	1.00
R 747	139-02001-0000	RES CHIP 2K EW 1%		EA	.	.	1.00
R 748	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	1.00
R 749	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	1.00
R 750	139-01003-0000	RES CHIP 100KEW1%		EA	.	.	1.00
R 751	139-00100-0000	RES CHIP 10 EW 1%		EA	.	.	1.00
R 752	139-01003-0000	RES CHIP 100KEW1%		EA	.	.	1.00
R 753	139-00100-0000	RES CHIP 10 EW 1%		EA	.	.	1.00
R 754	139-01003-0000	RES CHIP 100KEW1%		EA	.	.	1.00
R 755	139-03922-0000	RES CH 39.2K EW 1%		EA	.	.	1.00
R 756	999-09999-0098	NOT USED		RF	.	.	X.
R 757	999-09999-0098	NOT USED		RF	.	.	X.
R 758	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	1.00
R 759	139-05110-0000	RES CH 511 EW 1%		EA	.	.	1.00
R 760	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R 761	139-09091-0000	RES CH 9.09K EW 1%		EA	.	.	1.00
R 762	130-05000-0025	RES CHIP 0 EW CJ		EA	1.00	1.00	.
R 763	130-05000-0025	RES CHIP 0 EW CJ		EA	1.00	.	.
R 764	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	1.00
R 765	139-01000-0000	RES CHIP 100 EW 1%		EA	.	.	1.00
R 766	132-00204-0048	1 WATT 390 OHM		EA	.	.	1.00
R 767	132-00204-0034	1 WATT 82 OHM		EA	.	.	1.00
REF 1	300-07475-0000	LCD PROC BD ASSY		RF	.	.	X.
REF 2	002-07475-0000	SCH LCD PROC BD		RF	.	.	X.
S 701	031-00343-0002	SWITCH		EA	.	.	1.00
S 702	031-00536-0000	SWITCH MOMENTARY		EA	.	.	1.00
S 703	031-00536-0000	SWITCH MOMENTARY		EA	.	.	1.00
TP 701	008-00096-0001	TERMINAL TEST PNT		EA	.	.	1.00
TP 702	008-00096-0001	TERMINAL TEST PNT		EA	.	.	1.00



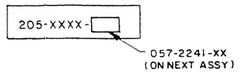
NOTES:

1. PRIOR TO POST COATING BOTH SIDES OF P.C. BOARD WITH KPN 016-1040-00, MASK OFF THE FOLLOWING; ALL MOUNTING AREAS, ALL "E" NUMBERS, SWITCHES, DS1, DS2.
2. R762 INSTALLED ON 200-7475-00 AND 200-7475-01. R763 INSTALLED ON 200-7475-00 ONLY.
3. Q707 NEEDS TO LAY FLAT ON THE BOARD TO AVOID INTERFERENCE WITH VOLUME CABLE.
4. CLIP PINS ON S2 FLUSH WITH TOP OF S2
5. CLIP CENTER TWO PINS OF S3 FLUSH WITH S3 AND SOLDER 009-7964-00 TO TOP OF S3.
6. INSTALL 057-3531-XX TAG ON FARSIDE OF BOARD.

Dwg 300-07475-0000 Rev AA

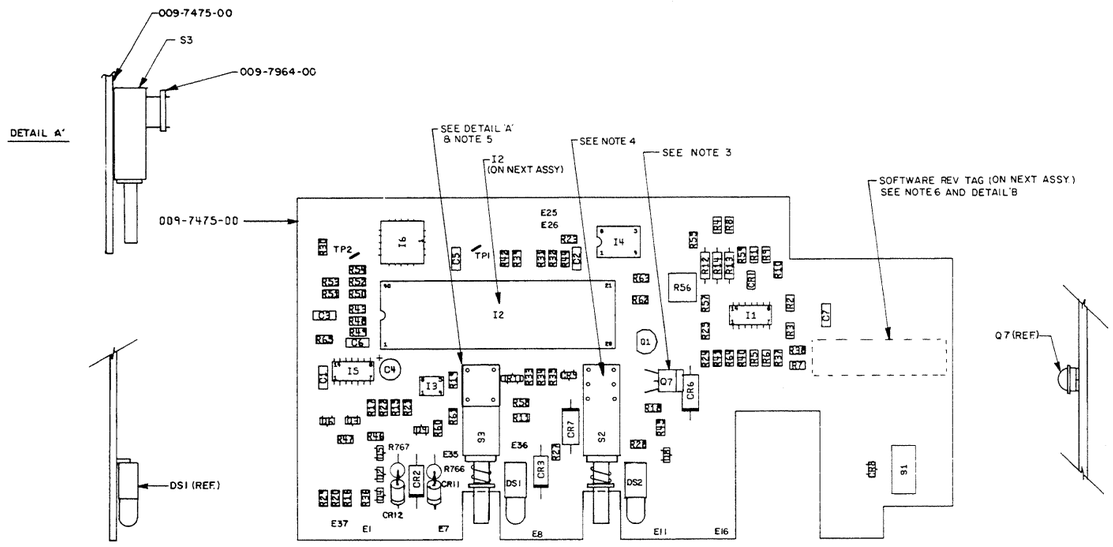
REF. B/M: 200-7475-XX

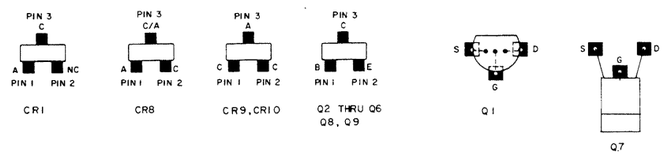
FIGURE 6-3 LCD Processor Board Assembly (Dwg No 300-07475-0000, Rev AA)



DETAIL 'B'

NOTE: ADD 700 TO ALL REFERENCE DESIGNATORS.
I.E: R1 = R701





NOTES:

1. PRIOR TO POST COATING BOTH SIDES OF P.C. BOARD WITH KPN 016-1040-00, MASK OFF THE FOLLOWING; ALL MOUNTING AREAS, ALL "E" NUMBERS, SWITCHES, DS1, DS2.
2. R762 INSTALLED ON 200-7475-00 AND 200-7475-01. R763 INSTALLED ON 200-7475-00 ONLY.
3. Q707 NEEDS TO LAY FLAT ON THE BOARD TO AVOID INTERFERENCE WITH VOLUME CABLE.
4. CLIP PINS ON S2 FLUSH WITH TOP OF S2
5. CLIP CENTER TWO PINS OF S3 FLUSH WITH S3 AND SOLDER 009-7964-00 TO TOP OF S3.
6. INSTALL 057-3531-XX TAG ON FARSIDE OF BOARD.

Dwg 300-07475-0000 Rev 3

FIGURE 6-3A LCD Processor Board Assembly (Dwg No 300-07475-0000, Rev 3)

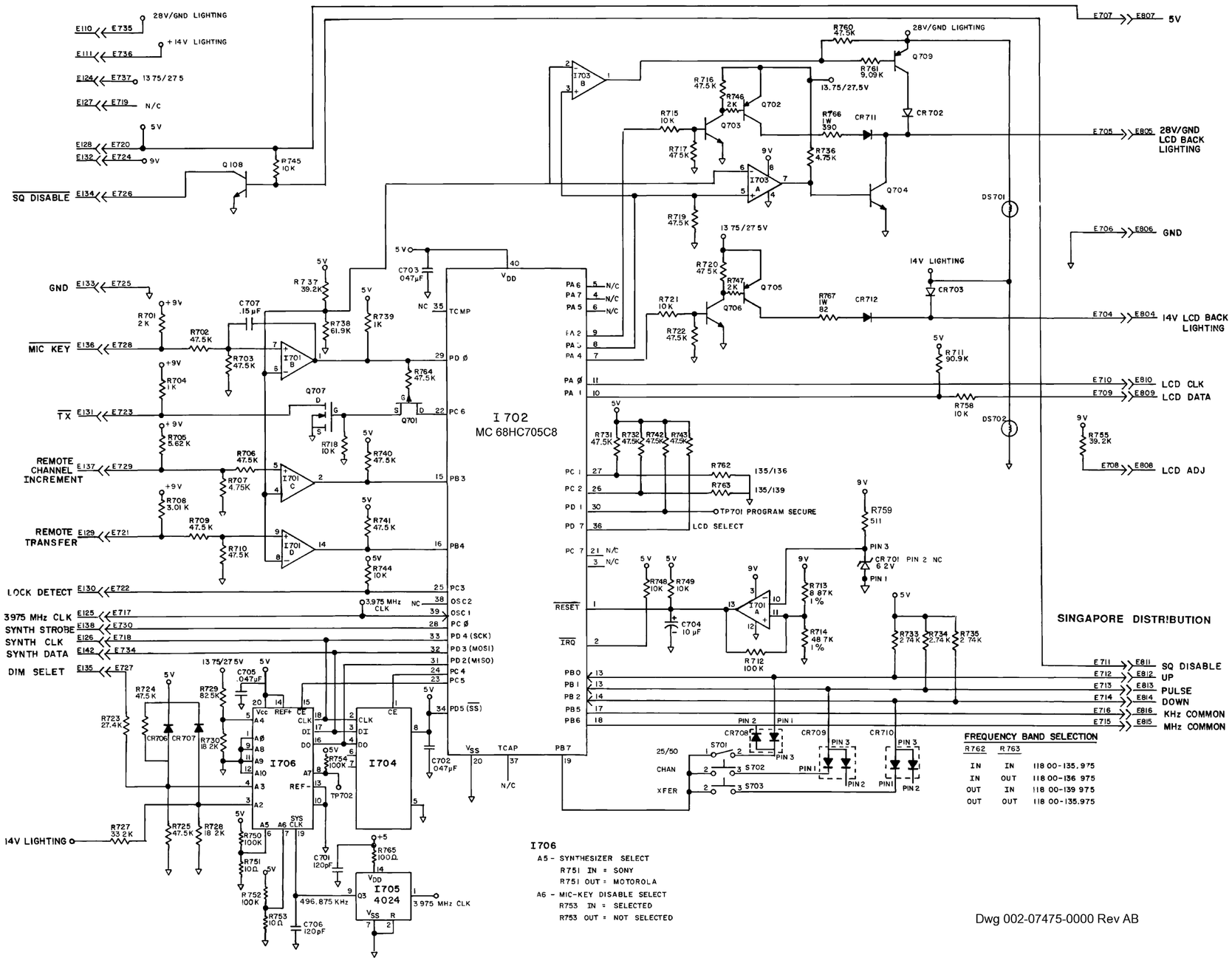
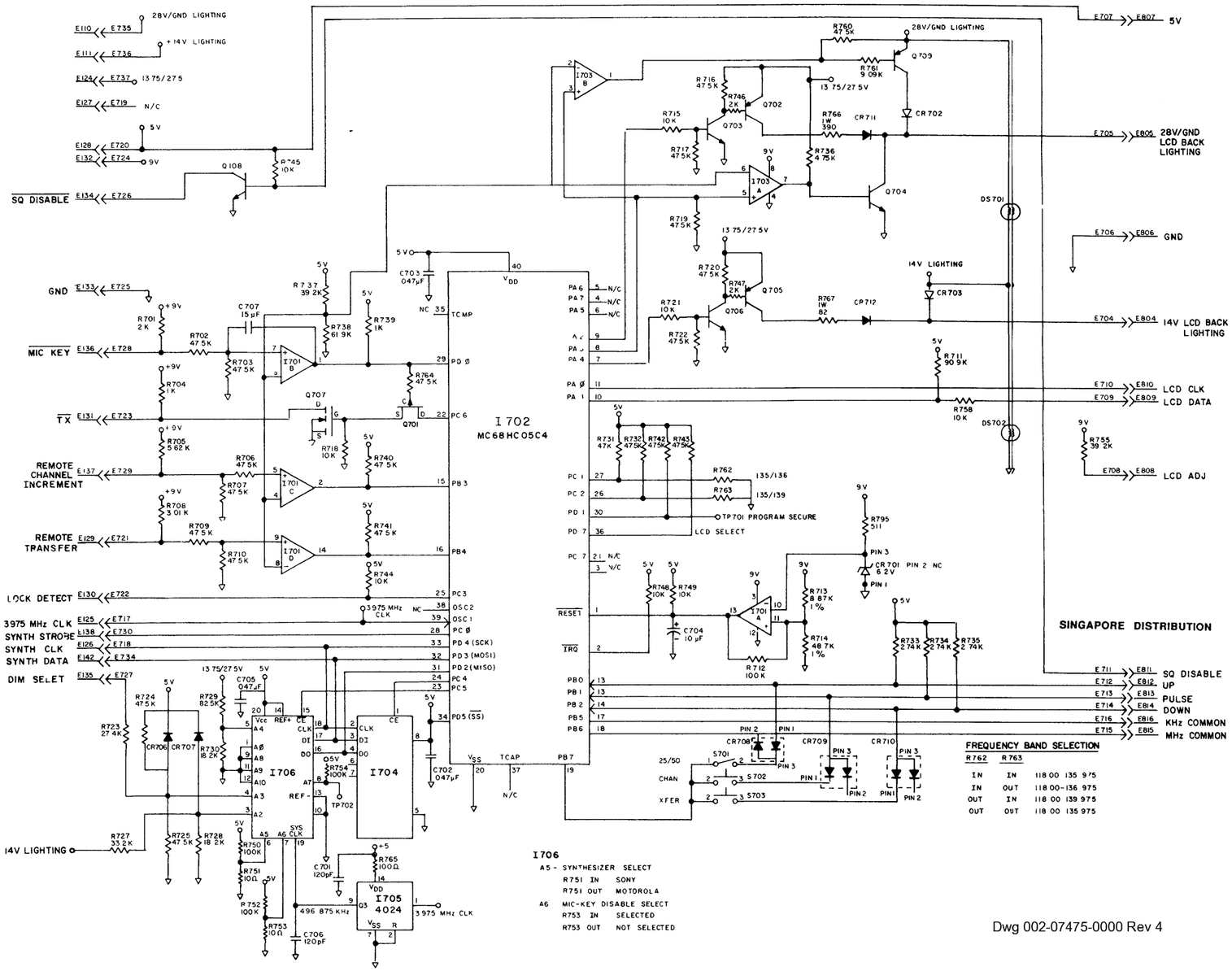


FIGURE 6-4 LCD Processor Board Schematic (Dwg No 002-07475-0000, Rev AB)



Dwg 002-07475-0000 Rev 4

FIGURE 6-4A LCD Processor Board Schematic
(Dwg No 002-07475-0000, Rev 4)

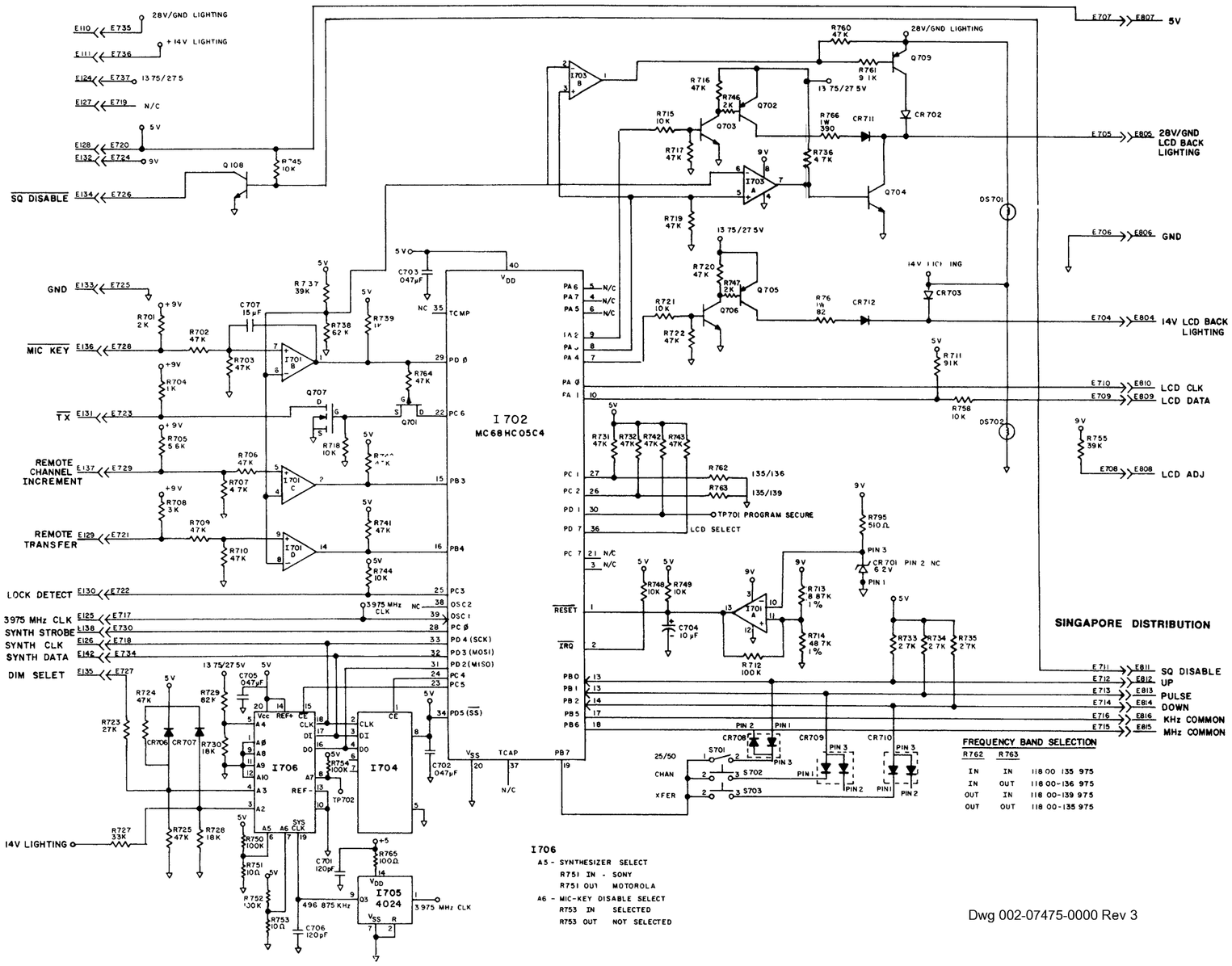


FIGURE 6-4B LCD Processor Board Schematic
(Dwg No 002-07475-0000, Rev 3)

6.4.5 KY 97A (14V) Modulator Assembly

200-04270-0000 14V MODULATOR ASSY REV AA

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000
C266	111-00001-0001		CAP CR .1UF 50V	EA	1.00
Q124	007-00168-0000		XSTR PNP 2N4398	EA	1.00
REF1	300-04270-0000		COMM TRANSCEIVER K	RF	.00
RT101	134-01027-0000		POSISTOR BE	EA	1.00
	008-00050-0001		GND LUG	EA	1.00
	026-00004-0000		WIRE, CU, 20AWG, T	IN	4.50
	073-00388-0004		HEAT SINK 196A	EA	1.00
	076-00159-0000		SPACER INSUL	EA	2.00
	088-00829-0000		INSL	EA	3.00
	089-02013-0037		NUT FLAT 6-32	EA	2.00
	089-05432-0003		SCR, MACH, 2-56, F	EA	6.00
	089-05907-0008		SCR PHP 6-32X1/2	EA	2.00
	089-08016-0037		WSHR INTL LK #6	EA	1.00
	089-08027-0011		WSHR FLT STD #6	EA	1.00
	089-08080-0030		WSHR FLT STD .147	EA	2.00
	091-00038-0000		WASHER EXT NY	EA	2.00
	091-00283-0002		TO-3 INSULATOR	EA	1.00
	150-00003-0010		TUBING TFLN 24AWG	IN	4.00
	150-00005-0010		TUBING TFLN 20AWG	IN	7.25

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200-04270-0000 REV 9 14V MODULATOR ASSY KY 0097A KY 0197A

SYMBOL		PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000
		008-00050-0001	GND LUG		EA	1.00
		026-00004-0000	WIRE COP TIN 20G		IN	6.25
		073-00388-0004	HEAT SINK 196A	A	EA	1.00
		076-00159-0000	SPACER INSUL		EA	2.00
		088-00829-0000	INSL		EA	3.00
		089-02013-0037	NUT FLAT 6-32		EA	2.00
		089-05432-0003	SCR FHP 2-56X3/16		EA	6.00
		089-05907-0008	SCR PHP 6-32X1/2		EA	2.00
		089-08016-0037	WSHR INTL LK #6		EA	1.00
		089-08027-0011	WSHR FLT STD #6		EA	1.00
		089-08080-0030	WSHR FLT STD .147		EA	2.00
		091-00038-0000	WASHER EXT NY		EA	2.00
		091-00283-0002	TO-3 INSULATOR		EA	1.00
		150-00003-0010	TUBING TFLN 24AWG		IN	4.00
		150-00005-0010	TUBING TFLN 20AWG		IN	9.00
C	266	111-00001-0001	CAP CR .1UF 50V		EA	1.00
Q	124	007-00168-0000	XSTR PNP 2N4398		EA	1.00
REF	1	300-04270-0000	14V MODULATOR ASSY		RF	X.
RT	101	134-01027-0000	POSISTOR BE		EA	1.00

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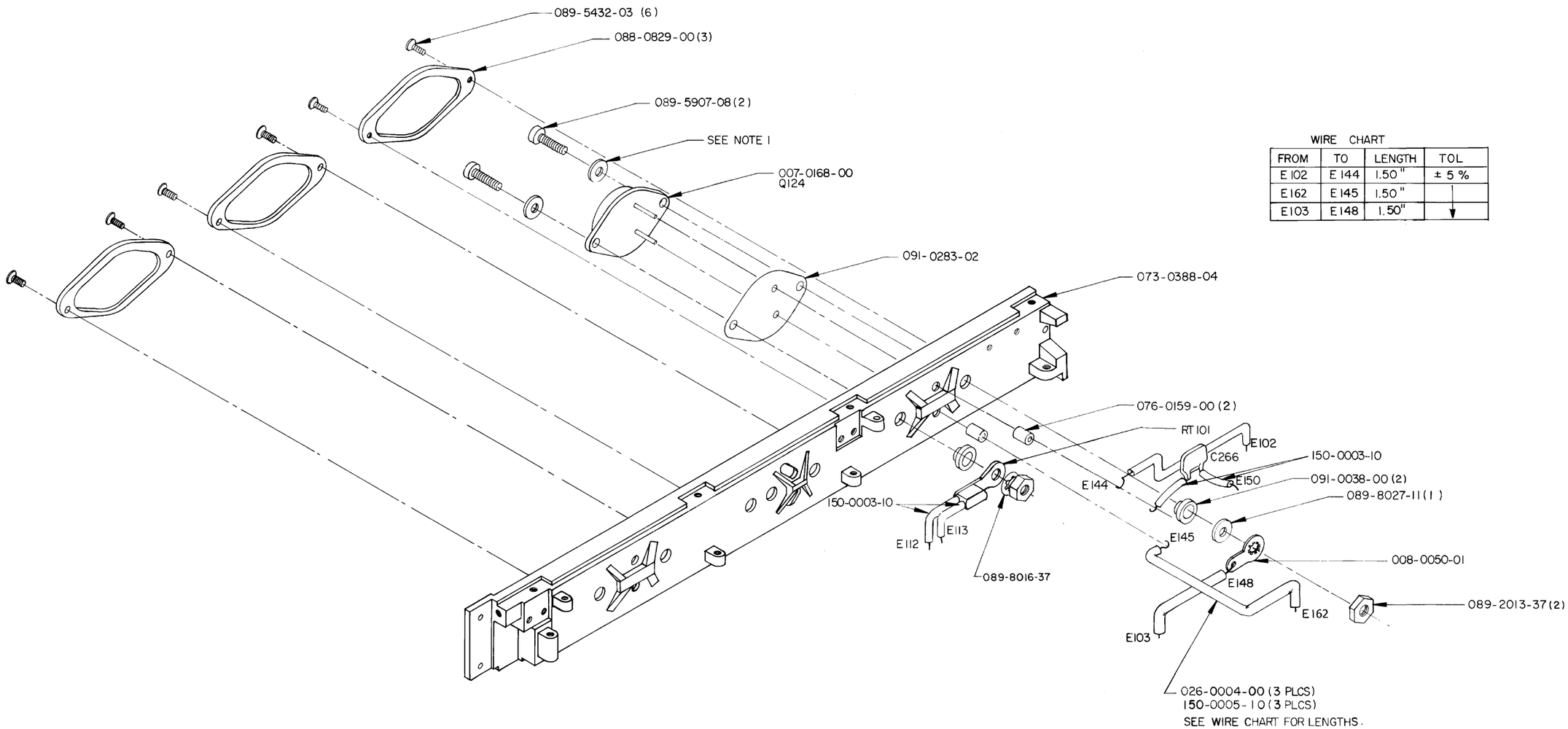


WIRE CHART

FROM	TO	LENGTH	TOL
E102	E144	1.50"	± 5 %
E162	E145	1.50"	↓
E103	E148	1.50"	↓

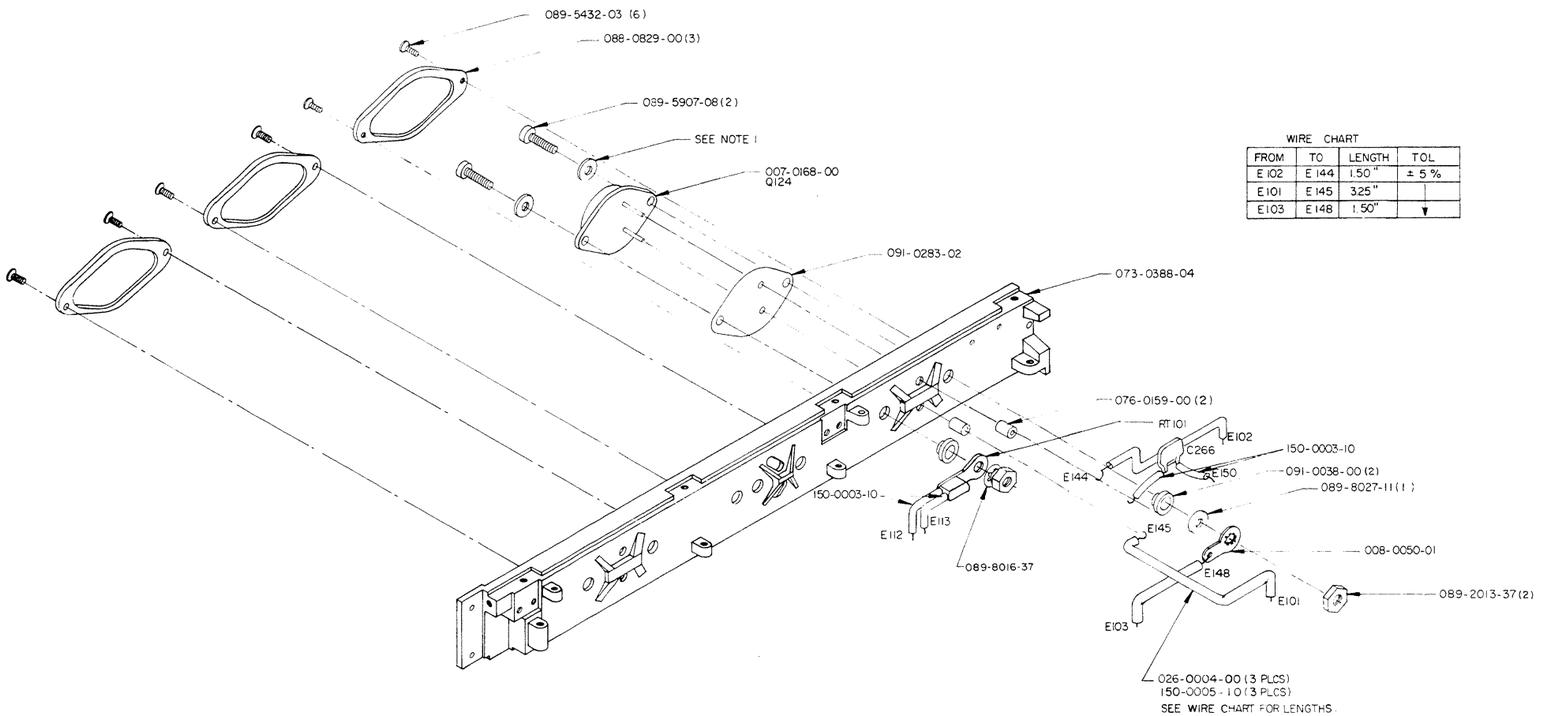
Dwg 300-04270-0000 Rev AA

NOTE:

1. ADD 089-8080-30 1 EACH, AS REQUIRED TO COMPENSATE FOR DIFFERENCES IN THICKNESS OF Q124 AND HEATSINK

REF B/M 200-4270-00

FIGURE 6-5 KY 97A (14V) Modulator Assembly (Dwg No 300-04270-0000, Rev AA)



WIRE CHART

FROM	TO	LENGTH	TOL
E102	E144	1.50"	± 5%
E101	E145	3.25"	"
E103	E148	1.50"	"

Dwg 300-04270-0000 Rev 6

NOTE:
1. ADD 089-8080-30 1 EACH, AS REQUIRED TO COMPENSATE FOR DIFFERENCES IN THICKNESS OF Q124 AND HEATSINK

FIGURE 6-5A KY 97A (14V) Modulator Assembly (Dwg No 300-04270-0000, Rev 6)

6.4.6 KY 96A (28V) Modulator Assembly

200-04271-0000 28V MODULATOR ASSY REV AA

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000
C266	111-00001-0001		CAP CR .1UF 50V	EA	1.00
Q124	007-00963-0000		XSTR MJ11012 NPN	EA	1.00
Q130	007-00963-0000		XSTR MJ11012 NPN	EA	1.00
REF1	300-04271-0000		COMM TRANSCEIVER K	RF	.00
RT101	134-01027-0001		POSISTOR BD	EA	1.00
	008-00041-0000		SLDR LUG, DUEL	EA	1.00
	008-00050-0001		GND LUG	EA	1.00
	026-00004-0000		WIRE, CU, 20AWG, T	IN	23.00
	073-00388-0004		HEAT SINK 196A	EA	1.00
	076-00159-0000		SPACER INSUL	EA	4.00
	076-01063-0000		NYLON HEX NUT	EA	1.00
	088-00829-0000		INSL	EA	3.00
	089-02013-0037		NUT FLAT 6-32	EA	3.00
	089-05432-0003		SCR, MACH, 2-56, F	EA	6.00
	089-05907-0006		SCR PHP 6-32X3/8	EA	1.00
	089-05907-0008		SCR PHP 6-32X1/2	EA	3.00
	089-08016-0037		WSHR INTL LK #6	EA	1.00
	089-08027-0011		WSHR FLT STD #6	EA	2.00
	089-08080-0030		WSHR FLT STD .147	AR	4.00
	091-00038-0000		WASHER EXT NY	EA	3.00
	091-00283-0002		TO-3 INSULATOR	EA	2.00
	150-00003-0010		TUBING TFLN 24AWG	IN	3.00
	150-00005-0010		TUBING TFLN 20AWG	IN	20.95

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200-04271-0000 REV 13 28V MODULATOR ASSY KY 0096A KY 0196A

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000
	008-00041-0000	SLDR LUG, DUEL		EA	1.00
	008-00050-0001	GND LUG		EA	1.00
	026-00004-0000	WIRE COP TIN 20G		IN	24.27
	073-00388-0004	HEAT SINK 196A	A	EA	1.00
	076-00159-0000	SPACER INSUL		EA	4.00
	076-01063-0000	NYLON HEX NUT		EA	1.00
	088-00829-0000	INSL		EA	3.00
	089-02013-0037	NUT FLAT 6-32		EA	3.00
	089-05432-0003	SCR FHP 2-56X3/16		EA	6.00
	089-05907-0006	SCR PHP 6-32X3/8		EA	1.00
	089-05907-0008	SCR PHP 6-32X1/2		EA	3.00
	089-08016-0037	WSHR INTL LK #6		EA	1.00
	089-08027-0011	WSHR FLT STD #6		EA	2.00
	089-08080-0030	WSHR FLT STD .147		AR	4.00
	091-00038-0000	WASHER EXT NY		EA	3.00
	091-00283-0002	TO-3 INSULATOR		EA	2.00
	150-00003-0010	TUBING TFLN 24AWG		IN	3.00
	150-00005-0010	TUBING TFLN 20AWG		IN	22.25
C 266	111-00001-0001	CAP CR .1UF 50V		EA	1.00
Q 124	007-00963-0000	XSTR MJ11012 NPN		EA	1.00
Q 130	007-00963-0000	XSTR MJ11012 NPN		EA	1.00
REF 1	300-04271-0000	28V MODULATOR ASSY		RF	X.
RT 101	134-01027-0001	POSISTOR BD		EA	1.00

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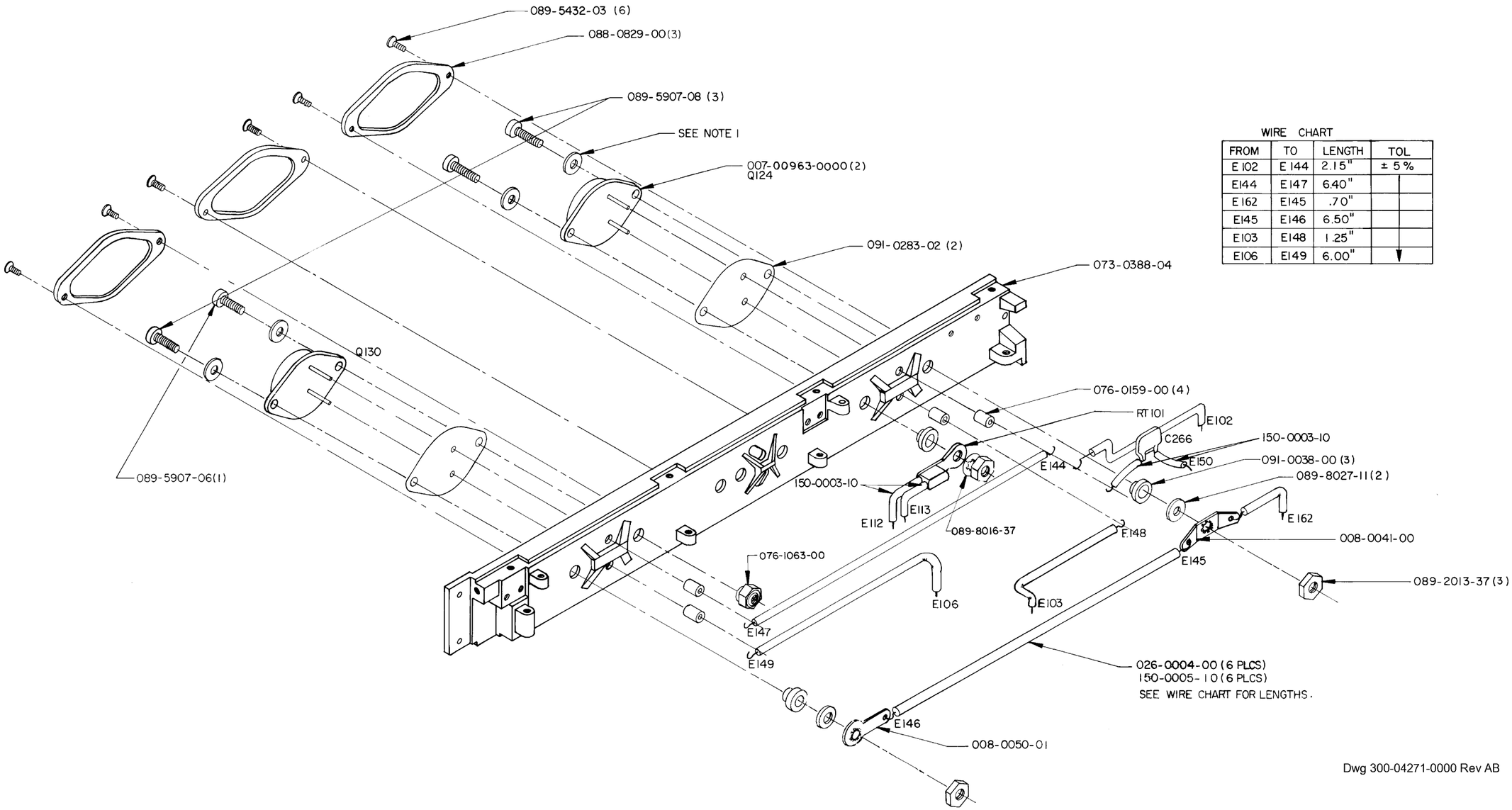


WIRE CHART

FROM	TO	LENGTH	TOL
E102	E144	2.15"	± 5%
E144	E147	6.40"	
E162	E145	.70"	
E145	E146	6.50"	
E103	E148	1.25"	
E106	E149	6.00"	

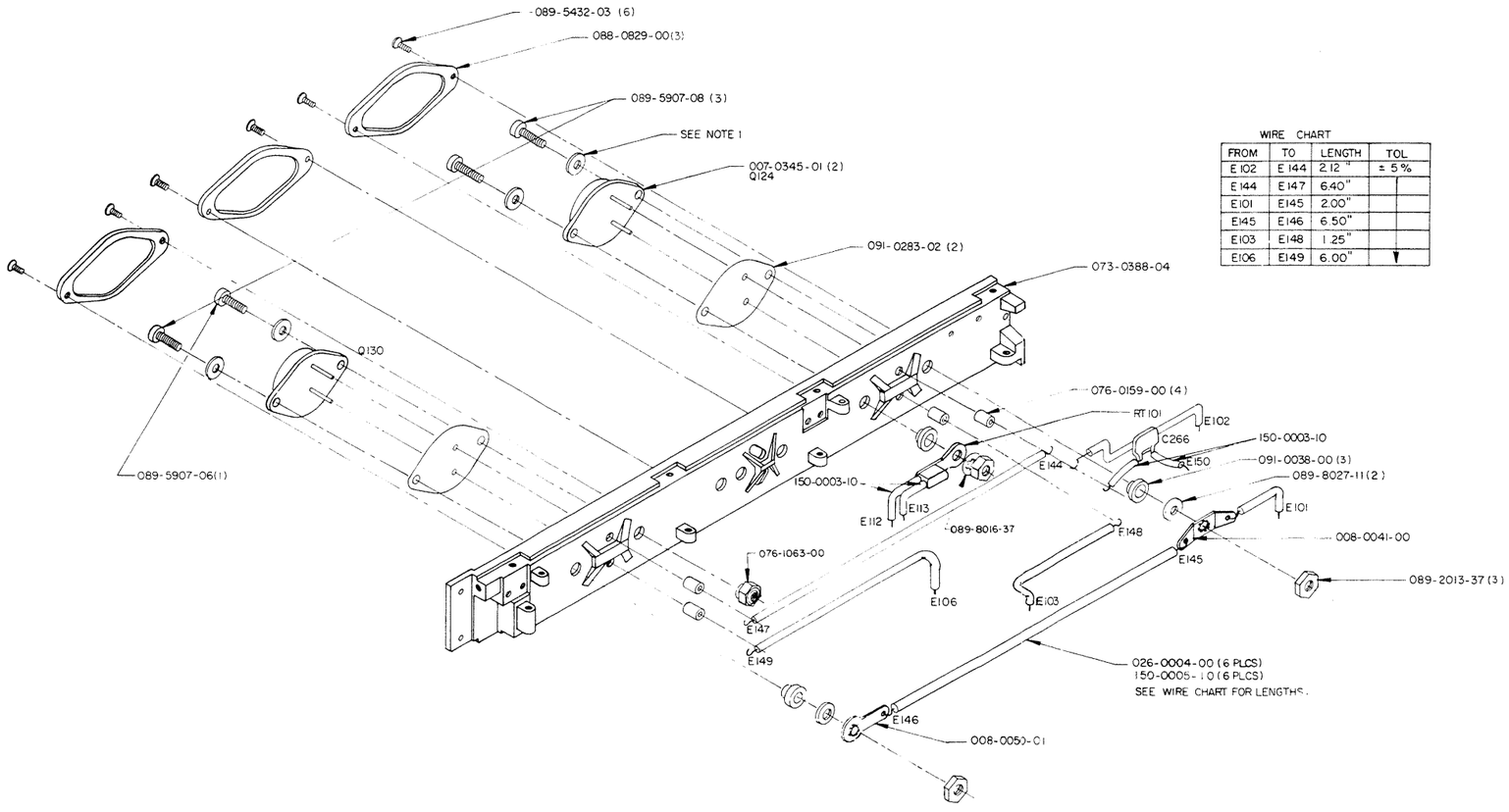
Dwg 300-04271-0000 Rev AB

NOTE:

1. ADD 089-8080-30, 1 EACH, AS REQUIRED TO COMPENSATE FOR DIFFERENCES IN THICKNESS OF Q124, Q130 AND HEATSINK

REF B/M 200-4271-00

FIGURE 6-6 KY 96A (28V) Modulator Assembly (Dwg No 300-04271-0000, Rev AB)



WIRE CHART

FROM	TO	LENGTH	TOL
E102	E144	2.12"	± 5%
E144	E147	6.40"	
E101	E145	2.00"	
E145	E146	6.50"	
E103	E148	1.25"	
E106	E149	6.00"	

NOTE:
1. ADD 089-8080-301 EACH, AS REQUIRED TO COMPENSATE FOR DIFFERENCES IN THICKNESS OF Q124, Q130 AND HEATSINK

Dwg 300-04271-0000 Rev 6

FIGURE 6-6A KY 96A (28V) Modulator Assembly (Dwg No 300-04271-0000, Rev 6)

6.4.7 LCD Display Board

200-07479-0000 LCD DISPLAY BD REV AC
200-07479-0001 LCD DISPLAY BD REV AC

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000	-0001
C801	106-04104-0047		CH 100KX7R/50V	EA	1.00	1.00
C802	113-03121-0000		CAP DC 120PF 500V	EA	1.00	1.00
CR801	007-06223-0000		DIO DUAL SWITCHING	EA	1.00	1.00
CR802	007-06222-0000		DIO DAN202K	EA	1.00	1.00
CR803	007-06222-0000		DIO DAN202K	EA	1.00	1.00
DS802	037-00027-0001		LMP 6802AS15 T1 5V	EA	1.00	1.00
DS803	037-00027-0001		LMP 6802AS15 T1 5V	EA	1.00	1.00
DS804	037-00027-0001		LMP 6802AS15 T1 5V	EA	1.00	1.00
DS805	037-00027-0001		LMP 6802AS15 T1 5V	EA	1.00	1.00
DS806	037-00027-0001		LMP 6802AS15 T1 5V	EA	1.00	1.00
DS807	037-00027-0001		LMP 6802AS15 T1 5V	EA	1.00	1.00
I801	120-02254-0000		IC LCD DRIVER 40X4	EA	1.00	1.00
Q801	007-00813-0000		XSTR NPN S MMBTA14	EA	1.00	1.00
R801	139-06811-0000		RES CH 6.81K EW 1%	EA	1.00	1.00
R802	133-00351-0006		POTENTIOMETER 47K	EA	1.00	1.00
R803	139-02003-0000		RES CHIP 200KEW1%	EA	1.00	1.00
R804	139-01001-0000		RES CHIP 1K EW 1%	EA	1.00	1.00
REF1	300-07479-0000		DISPLAY BOARD	RF	.00	.00
REF2	002-07479-0000		LCD DISPLAY BOARD	RF	.00	.00
S801	133-00398-0003		POT DUAL, SW	EA	1.00	1.00
	009-07479-0000		PC BD LCD DSPL BD	EA	1.00	1.00
	012-01602-0000		TAPE, PAPER DOUBLE	IN	.40	.40
	016-01008-0004		GLYPTAL 7526 BL	AR	1.00	1.00
	016-01013-0000		VAC GREASE DC 976	AR	1.00	1.00
	016-01040-0000		COATING TYPE AR	AR	1.00	1.00
	016-01140-0000		SUPERBONDER 415	AR	1.00	1.00
	016-01144-0001		ACCELERATOR 11525	AR	1.00	1.00
	016-01412-0000		LOCTITE 425	AR	1.00	1.00
	026-00002-0000		WIRE, CU, 24AWG, T	IN	1.50	1.50
	030-02490-0002		COND RBR CONN	EA	1.00	1.00
	030-02490-0003		COND RBR CONN	EA	1.00	1.00
	043-00036-0001		LCD KY96A/96A	EA	1.00	1.00
	047-05019-0000		SPRING SW 10POS	EA	1.00	1.00
	047-08221-0001		LCD MTG BRK	EA	1.00	1.00
	047-08608-0001		LCD RETAINER	EA	1.00	1.00
	076-00248-0003		SPACER .365	EA	1.00	1.00
	076-03051-0002		SPOOL PART W/ FINI	EA	1.00	1.00
	088-00767-0001		KNOB	EA	1.00	.
	088-00769-0000		SLEEVE LOCKING	EA	1.00	1.00
	088-00770-0000		HOUSING SWITCH	EA	1.00	1.00
	088-00770-0001		HOUSING SWITCH	EA	1.00	1.00
	088-01022-0001		CONTACT ASSY	EA	2.00	2.00
	088-01057-0023		SHAFT W / KNOB RIN	EA	1.00	.
	088-02163-0000		LIGHT BLK HOLDER	EA	1.00	1.00
	088-02273-0001		LIGHT BLOCK, LCD	EA	1.00	1.00
	088-03120-0000		KNOB OUTER	EA	.	1.00
	088-03121-0021		KNOB PAINTED	EA	.	1.00
	089-02106-0011		NUT FLAT 1/4-32	EA	1.00	1.00
	089-05519-0003		SCR FLHP 2-56X3/16	EA	7.00	7.00
	089-06200-0003		SCR SET 2-56X3/32	EA	1.00	1.00
	089-06689-0006		SCR PHP PLASTITE	EA	2.00	2.00
	089-08093-0030		WSHR FLT STD .094	EA	10.00	10.00
	089-08309-0000		WASHER INSULATING	EA	2.00	2.00
	090-00019-0005		RING RTNR .188	EA	2.00	2.00
	150-00003-0010		TUBING TFLN 24AWG	IN	1.50	1.50

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200-07479-0000 LCD DISPLAY BD REV 11 KY 0096A KY 0097A

SYMBOL		PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000
		009-07479-0000	PC BD LCD DSPL BD		EA	1.00
		016-01008-0004	GLYPTAL 7526 BL		AR	1.00
		016-01013-0000	VAC GREASE DC 976		AR	1.00
		016-01040-0000	COATING TYPE AR		AR	1.00
		016-01140-0000	SUPERBONDER 415		AR	1.00
		016-01144-0001	ACCELERATOR 11525		AR	1.00
		026-00002-0000	WIRE COP TIN 24G		IN	1.50
		030-02490-0002	COND RBR CONN		EA	1.00
		030-02490-0003	COND RBR CONN		EA	1.00
		043-00036-0001	LCD KY96A/96A		EA	1.00
		047-05019-0000	SPRING SW 10POS		EA	1.00
		047-08221-0001	LCD MTG BRK	A	EA	1.00
		047-08608-0001	LCD RETAINER	A	EA	1.00
		076-00248-0003	SPACER .365		EA	1.00
		088-00720-0000	SPOOL SWITCH		EA	1.00
		088-00767-0001	KNOB	A	EA	1.00
		088-00769-0000	SLEEVE LOCKING		EA	1.00
		088-00770-0000	HOUSING SWITCH		EA	1.00
		088-00770-0001	HOUSING SWITCH		EA	1.00
		088-01022-0001	CONTACT ASSY	A	EA	2.00
		088-01057-0003	KNOB STAMPED	A	EA	1.00
		088-02163-0000	LIGHT BLK HOLDER		EA	1.00
		088-02273-0001	LIGHT BLOCK, LCD		EA	1.00
		089-02106-0011	NUT FLAT 1/4-32		EA	1.00
		089-05519-0002	SCR FLHP 2-56X1/8		EA	5.00
		089-05519-0003	SCR FLHP 2-56X3/16		EA	2.00
		089-06689-0006	SCR PHP PLASTITE		EA	2.00
		089-08309-0000	WASHER INSULATING		EA	2.00
		090-00019-0005	RING RTNR .188		EA	2.00
		090-00036-0004	RING RTNR .051		EA	1.00
		150-00003-0010	TUBING TFLN 24AWG		IN	1.50
C	801	106-04104-0047	CH 100KX7R/50V		EA	1.00
C	802	113-03121-0000	CAP DC 120PF 500V		EA	1.00
CR	801	007-06223-0000	DIO DA204K		EA	1.00
CR	802	007-06222-0000	DIO DAN202K		EA	1.00
CR	803	007-06222-0000	DIO DAN202K		EA	1.00
DS	802	037-00027-0001	LMP 6802AS15 T1 5V		EA	1.00
DS	803	037-00027-0001	LMP 6802AS15 T1 5V		EA	1.00
DS	804	037-00027-0001	LMP 6802AS15 T1 5V		EA	1.00
DS	805	037-00027-0001	LMP 6802AS15 T1 5V		EA	1.00
DS	806	037-00027-0001	LMP 6802AS15 T1 5V		EA	1.00
DS	807	037-00027-0001	LMP 6802AS15 T1 5V		EA	1.00
I	801	120-02254-0000	IC LCD DRIVER 40X4		EA	1.00
Q	801	007-00813-0000	XSTR NPN S MMBTA14		EA	1.00
R	801	139-06811-0000	RES CH 6.81K EW 1%		EA	1.00
R	802	133-00351-0006	POTENTIOMETER 47K		EA	1.00
R	803	139-02003-0000	RES CHIP 200KEW1%		EA	1.00
R	804	139-01001-0000	RES CHIP 1K EW 1%		EA	1.00
REF	1	300-07479-0000	LCD DSPL BD ASSY		RF	X.
REF	2	002-07479-0000	SCH LCD DSPL BD		RF	X.
S	801	133-00398-0001	POT/DUAL SW		EA	1.00

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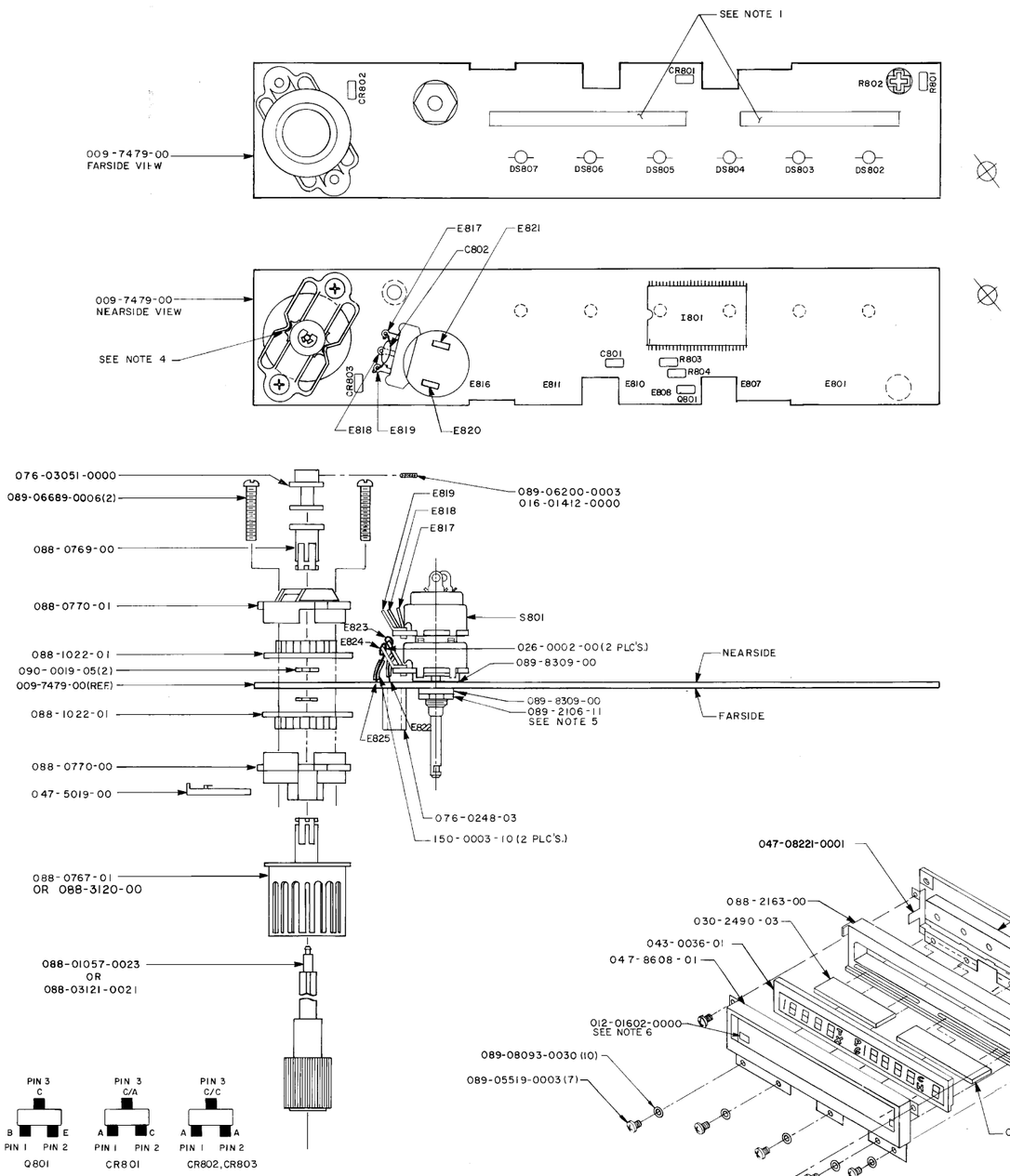


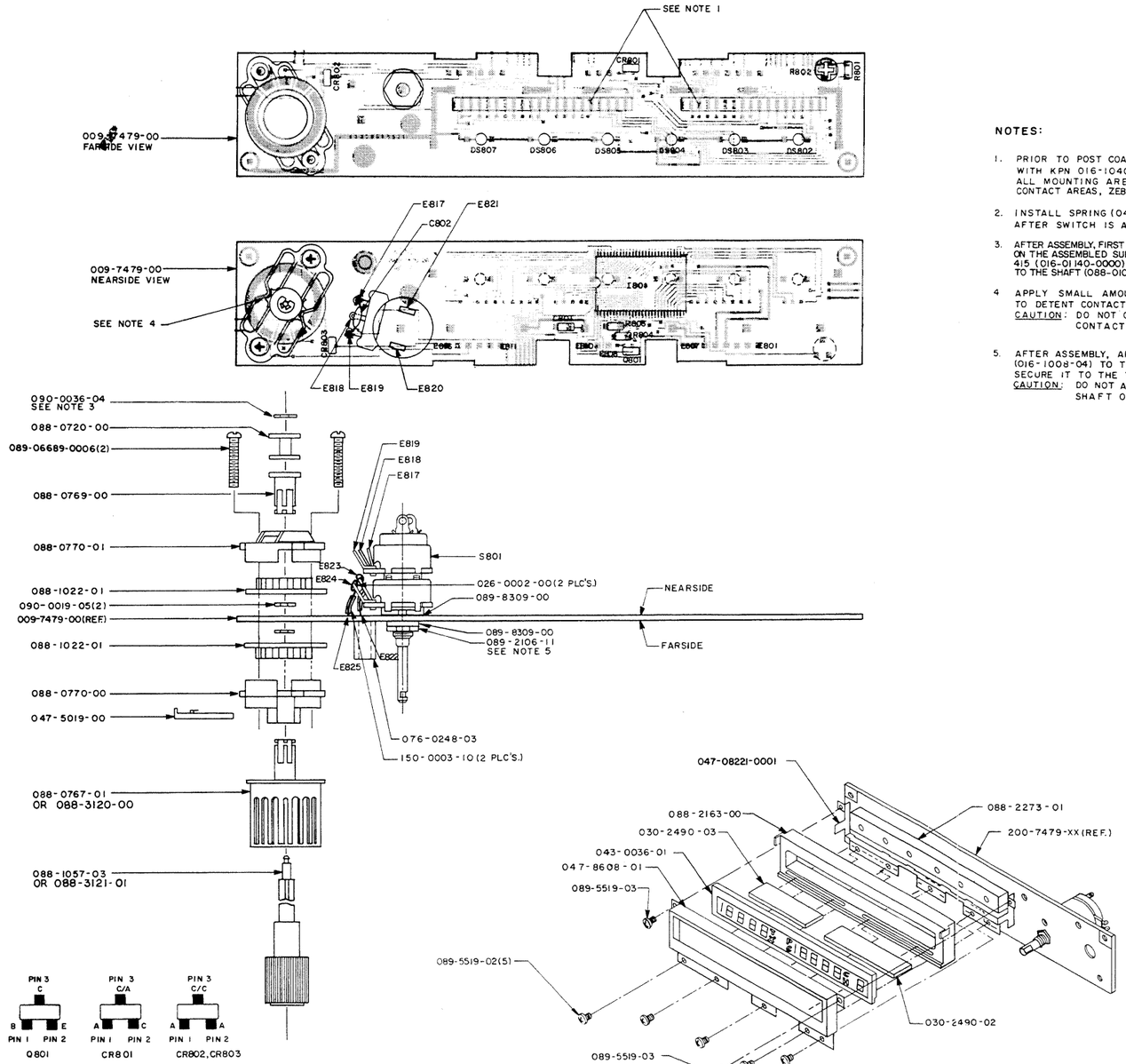
FIGURE 6-7 LCD Display Board Assembly (Dwg No 300-07479-0000, Rev AC)

NOTES:

1. PRIOR TO POST COATING BOTH SIDES OF P.C. BOARD WITH KPN 016-1040-00, MASK OFF THE FOLLOWING; ALL MOUNTING AREAS, R802, DS801 THRU DS807, SWITCH CONTACT AREAS, ZEBRA STRIP CONTACT AREAS.
2. INSTALL SPRING (047-5019-00) ON HOUSING (088-0770-00) AFTER SWITCH IS ASSEMBLED ON THE P.C. BOARD.
3. **NOTE DELETED**
4. APPLY SMALL AMOUNT OF SILICONE GREASE (KPN 016-1013-00) TO DETENT CONTACT POINTS AND SWITCH SHAFTS. CAUTION: DO NOT GET GREASE ON P.C. BOARD OR SWITCH CONTACT.
5. AFTER ASSEMBLY, APPLY A SMALL AMOUNT OF GLYPTAL (016-1008-04) TO THE RETAINING NUT (089-2106-11) TO SECURE IT TO THE THREADED BUSHING OF S1. CAUTION: DO NOT APPLY GYPTAL TO THE ROTATING SHAFT OF S801.
6. CUT 2 PIECES, DOUBLE-SIDED TAPE, .2" LONG, PASTE IT TO THE CORNER OF LCD.

REF. B/M: 200-7479-XX

Dwg 300-07479-0000 Rev AC



Dwg 300-07479-0000 Rev 6

NOTES:

1. PRIOR TO POST COATING BOTH SIDES OF P.C. BOARD WITH KPN 016-1040-00, MASK OFF THE FOLLOWING; ALL MOUNTING AREAS, R802, DS801 THRU DS807, SWITCH CONTACT AREAS, ZEBRA STRIP CONTACT AREAS.

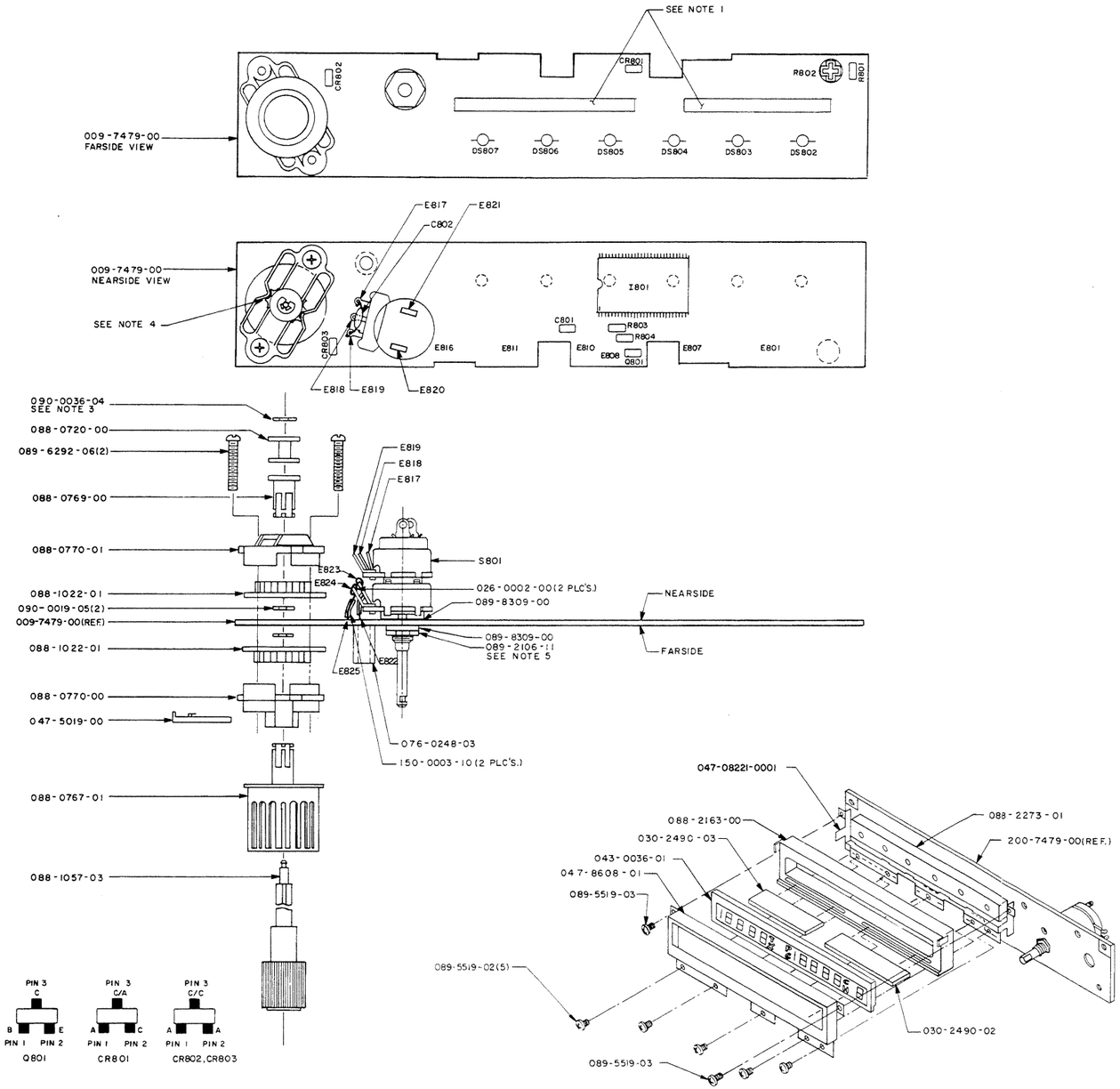
2. INSTALL SPRING (047-5019-00) ON HOUSING (088-0770-00) AFTER SWITCH IS ASSEMBLED ON THE P.C. BOARD.

3. AFTER ASSEMBLY, FIRST APPLY LOCTITE 11525 ACCELERATOR (016-01144-0001) ON THE ASSEMBLED SURFACE, FOLLOW BY A SMALL AMOUNT OF LOCTITE 415 (016-01140-0000) TO SECURE THE RETAINING RING (090-00036-0004) TO THE SHAFT (088-01057-0003).

4. APPLY SMALL AMOUNT OF SILICONE GREASE (KPN 016-1013-00) TO DETENT CONTACT POINTS AND SWITCH SHAFTS.
   CAUTION: DO NOT GET GREASE ON P.C. BOARD OR SWITCH CONTACT.

5. AFTER ASSEMBLY, APPLY A SMALL AMOUNT OF GLYPTAL (016-1008-04) TO THE RETAINING NUT (089-2106-11) TO SECURE IT TO THE THREADED BUSHING OF S1.
   CAUTION: DO NOT APPLY GYPTAL TO THE ROTATING SHAFT OF S801.

FIGURE 6-7A LCD Display Board Assembly (Dwg No 300-07479-0000, Rev 6)

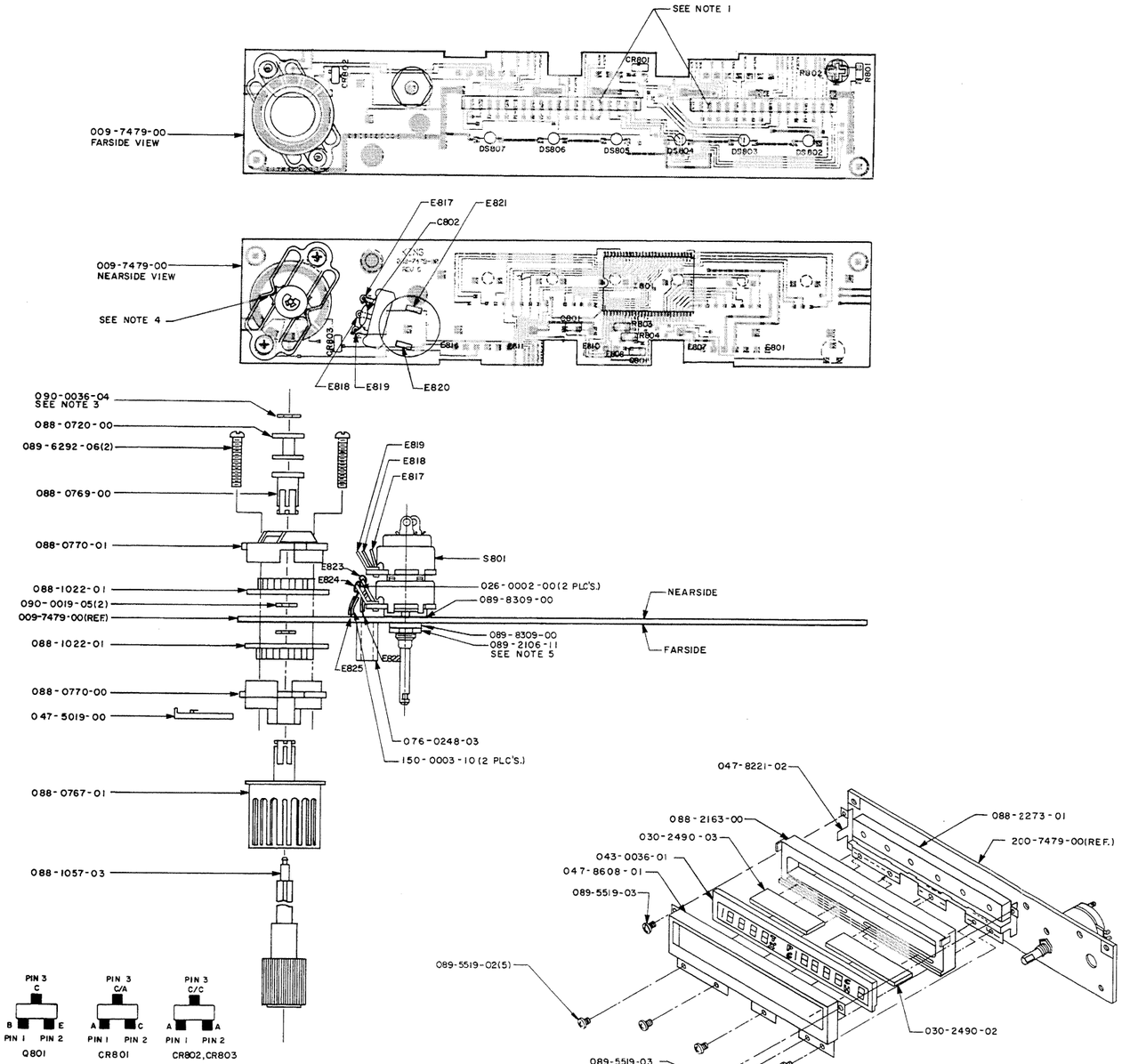


NOTES:

1. PRIOR TO POST COATING BOTH SIDES OF P.C. BOARD WITH KPN 016-1040-00, MASK OFF THE FOLLOWING; ALL MOUNTING AREAS, R802, DS801 THRU DS807, SWITCH CONTACT AREAS, ZEBRA STRIP CONTACT AREAS.
2. INSTALL SPRING (047-5019-00) ON HOUSING (088-0770-00) AFTER SWITCH IS ASSEMBLED ON THE P.C. BOARD.
3. AFTER ASSEMBLY, APPLY A SMALL AMOUNT OF EPOXY (016-1122-00) TO THE RETAINING RING (090-0036-04) TO SECURE IT TO THE SHAFT (088-1057-03).
4. APPLY SMALL AMOUNT OF SILICONE GREASE (KPN 016-1013-00) TO DETENT CONTACT POINTS AND SWITCH SHAFTS. CAUTION: DO NOT GET GREASE ON P.C. BOARD OR SWITCH CONTACT.
5. AFTER ASSEMBLY, APPLY A SMALL AMOUNT OF GLYPTAL (016-1008-04) TO THE RETAINING NUT (089-2106-11) TO SECURE IT TO THE THREADED BUSHING OF S1. CAUTION: DO NOT APPLY GYPTAL TO THE ROTATING SHAFT OF S801.

Dwg 300-07479-0000 Rev 3

FIGURE 6-7B LCD Display Board Assembly (Dwg No 300-07479-0000, Rev 3)

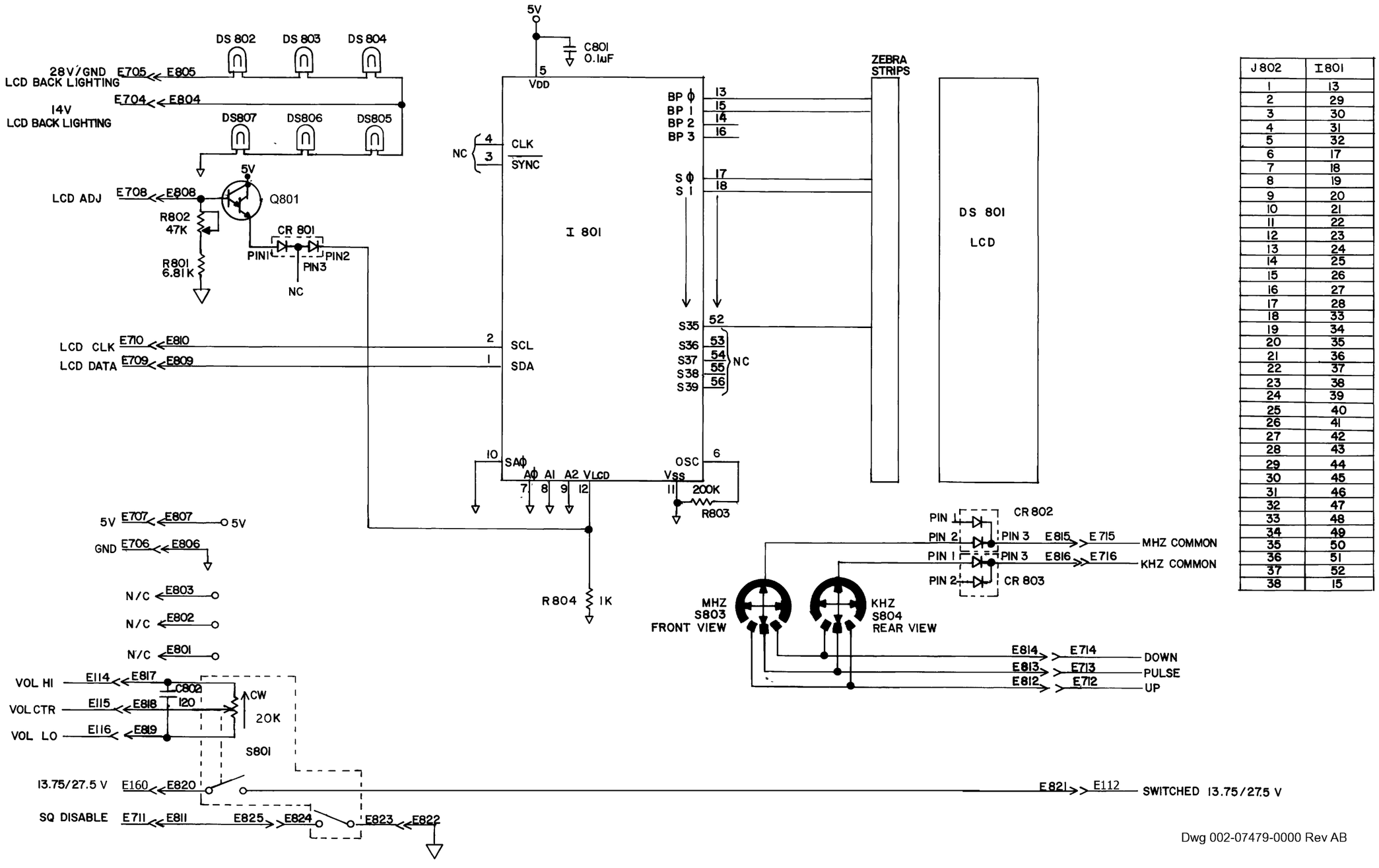


NOTES:

1. PRIOR TO POST COATING BOTH SIDES OF P.C. BOARD WITH KPN 016-1040-00, MASK OFF THE FOLLOWING; ALL MOUNTING AREAS, R802, DS801 THRU DS807, SWITCH CONTACT AREAS, ZEBRA STRIP CONTACT AREAS.
2. INSTALL SPRING (047-5019-00) ON HOUSING (088-0770-00) AFTER SWITCH IS ASSEMBLED ON THE P.C. BOARD.
3. AFTER ASSEMBLY, APPLY A SMALL AMOUNT OF EPOXY (016-1122-00) TO THE RETAINING RING (090-0036-04) TO SECURE IT TO THE SHAFT (088-1057-03).
4. APPLY SMALL AMOUNT OF SILICONE GREASE (KPN 016-1013-00) TO DETENT CONTACT POINTS AND SWITCH SHAFTS. CAUTION: DO NOT GET GREASE ON P.C. BOARD OR SWITCH CONTACT.
5. AFTER ASSEMBLY, APPLY A SMALL AMOUNT OF GLYPTAL (016-1008-04) TO THE RETAINING NUT (089-2106-11) TO SECURE IT TO THE THREADED BUSHING OF S1. CAUTION: DO NOT APPLY GYPTAL TO THE ROTATING SHAFT OF S801.

Dwg 300-07479-0000 Rev 2

FIGURE 6-7C LCD Display Board Assembly (Dwg No 300-07479-0000, Rev 2)



J802	I801
1	13
2	29
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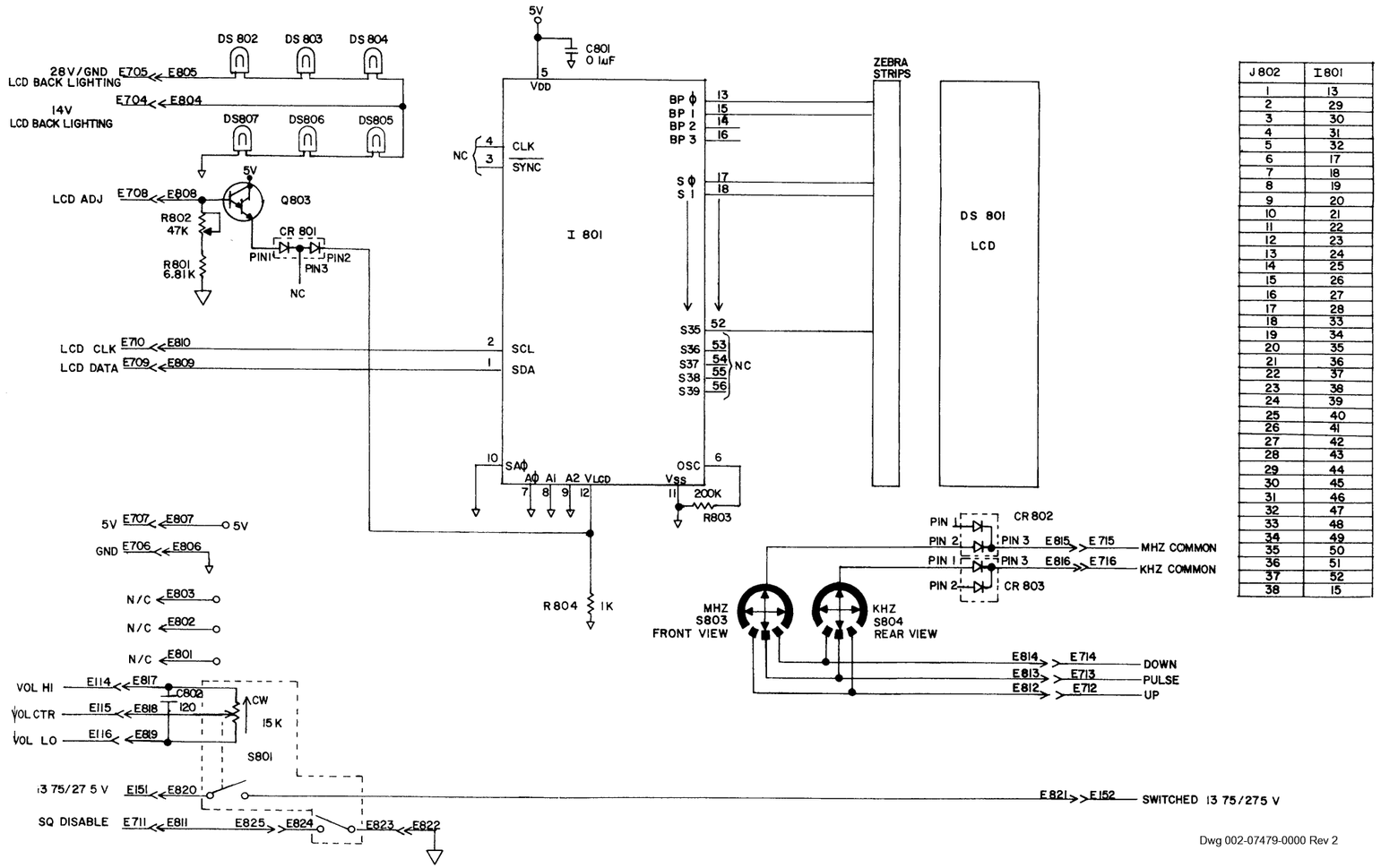
35	50
36	51
37	52
38	15

Dwg 002-07479-0000 Rev AB

FIGURE 6-8 LCD Display Board Schematic
(Dwg No 002-07479-0000, Rev AB)



J802	I801
1	13
2	29
3	30
4	31
5	32
6	17
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8	19
9	20
10	21
11	22
12	23
13	24
14	25
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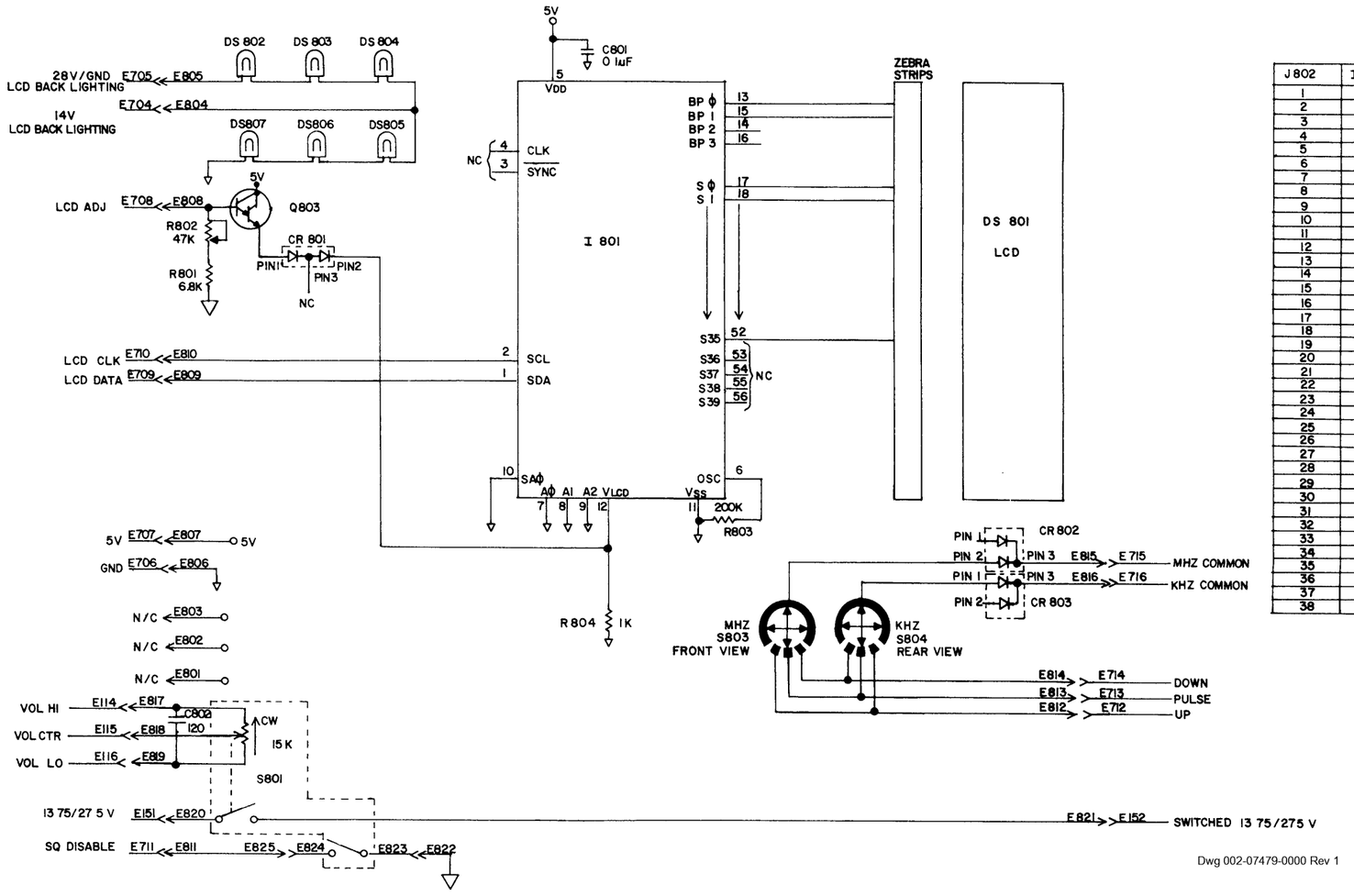
34	49
35	50
36	51
37	52
38	15

Dwg 002-07479-0000 Rev 2

FIGURE 6-8A LCD Display Board Schematic
(Dwg No 002-07479-0000, Rev 2)



J802	I801
1	13
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12	23
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37	52
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Dwg 002-07479-0000 Rev 1

FIGURE 6-8B LCD Display Board Schematic
(Dwg No 002-07479-0000, Rev 1)

6.4.8 Transmitter Board

200-07540-0000 KY97A 14V 5W TX BD REV 4
200-07540-0001 KY96A 28V 5W TX BD REV 4
200-07540-0099 KY96A/97A COM TX BD REV AB

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000	-0001	-0099
C401	113-05102-0000		CAP DC .001UF 500V	EA	.	.	1.00
C402	097-00104-0036		CAP AL 47UF 25V	EA	.	.	1.00
C403	113-05331-0000		CAP DC 330PF 500V	EA	.	.	1.00
C404	113-03121-0000		CAP DC 120PF 500V	EA	.	.	1.00
C405	113-05102-0000		CAP DC .001UF 500V	EA	.	.	1.00
C406	111-00001-0001		CAP CR .1UF 50V	EA	.	.	1.00
C407	096-06105-0052		CAP TN 1.0UF50V20%	EA	.	.	1.00
C408	106-04331-0026		CAPCH330PFNPO/100V	EA	.	.	1.00
C409	106-04331-0026		CAPCH330PFNPO/100V	EA	.	.	1.00
C410	113-03151-0000		CAP DC 150PF 500V	EA	.	.	1.00
C411	104-00001-0015		CAP SM 10PF 100V	EA	.	.	1.00
C412	104-00001-0009		CAP SM 47PF 100V	EA	.	.	1.00
C413	104-00001-0017		CAP SM 39PF 100V	EA	.	.	.50
C413	104-00001-0031		CAP SM 27PF 500V	EA	.	.	.50
C414	104-00001-0000		CAP SM 100PF 100V	EA	.	.	1.00
C415	104-00001-0014		CAP SM 33PF 100V	EA	.	.	1.00
C416	104-00001-0008		CAP SM 75PF 100V	EA	.	.	1.00
C417	100-00003-0001		300PF 500V 5% CP	EA	.	.	1.00
C418	102-00024-0010		CAP VAR 7-45PF N15	EA	.	.	1.00
C419	104-00001-0030		CAP SM 18PF 500V	EA	.	.	1.00
C420	104-00001-0033		CAP SM 15PF 500V	EA	.	.	1.00
C421	104-00001-0030		CAP SM 18PF 500V	EA	.	.	1.00
C422	104-00001-0063		CAP SM 12PF 100V	EA	.	.	1.00
C423	104-00001-0041		CAP SM 22PF 500V	EA	.	.	1.00
C424	106-00074-0036		CAP PF 9.1 500VDC	EA	.	.	1.00
C425	106-00074-0033		CAP PF 6.8 500VDC	EA	.	.	1.00
C426	104-00001-0041		CAP SM 22PF 500V	EA	.	.	1.00
C427	104-00001-0063		CAP SM 12PF 100V	EA	.	.	1.00
C428	113-03121-0000		CAP DC 120PF 500V	EA	1.00	.	.
C428	113-05102-0000		CAP DC .001UF 500V	EA	.	1.00	.
C429	113-05331-0000		CAP DC 330PF 500V	EA	.	.	1.00
C430	113-05102-0000		CAP DC .001UF 500V	EA	.	.	1.00
C431	999-09999-0098		PLACE HOLDER	RF	.	.	.00
C432	999-09999-0098		PLACE HOLDER	RF	.	.	.00
C433	999-09999-0098		PLACE HOLDER	RF	.	.	.00
C434	999-09999-0098		PLACE HOLDER	RF	.	.	.00
C436	999-09999-0098		PLACE HOLDER	RF	.	.	.00
C437	104-00001-0045		CAP SM 43PF 100V	EA	.	.	1.00
C438	113-03121-0000		CAP DC 120PF 500V	EA	.	.	1.00
C439	113-05331-0000		CAP DC 330PF 500V	EA	.	.	1.00
C440	104-00001-0031		CAP SM 27PF 500V	EA	.	.	1.00
C441	111-00001-0021		CAP CR .0068UF 100	EA	.	.	1.00
C442	104-00001-0002		CAP SM 91PF 100V	EA	.	.	1.00
C443	106-04331-0026		CAPCH330PFNPO/100V	EA	.	.	1.00
C444	106-04331-0026		CAPCH330PFNPO/100V	EA	.	.	1.00
C445	113-05102-0000		CAP DC .001UF 500V	EA	1.00	.	.
C445	999-09999-0098		PLACE HOLDER	RF	.	.00	.
C446	113-05331-0000		CAP DC 330PF 500V	EA	.	.	1.00
C447	104-00001-0002		CAP SM 91PF 100V	EA	.	.	1.00
C448	104-00001-0009		CAP SM 47PF 100V	EA	.	.	1.00
C449	113-03121-0000		CAP DC 120PF 500V	EA	.	.	1.00
CR401	007-06099-0000		DIO UM9401	EA	.	.	1.00
CR402	007-06099-0000		DIO UM9401	EA	.	.	1.00
CR403	007-06228-0000		RF SWITCHING DIODE	EA	.	.	1.00
L401	013-00006-0001		FERR BEAD	EA	.	.	1.00
L402	013-00006-0001		FERR BEAD	EA	.	.	1.00
L403	013-00006-0001		FERR BEAD	EA	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000	-0001	-0099
L404	013-00006-0001		FERR BEAD	EA	.	.	1.00
L405	013-00006-0001		FERR BEAD	EA	.	.	1.00
L406	999-09999-0098		PLACE HOLDER	RF	.	.	.00
L407	019-02084-0005		CH .22UH 10%	EA	.	.	1.00
L408	013-00006-0001		FERR BEAD	EA	.	.	1.00
L409	013-00006-0001		FERR BEAD	EA	.	.	1.00
L410	019-02084-0001		CH .15UH 10%	EA	1.00	.	.
L410	019-02084-0005		CH .22UH 10%	EA	.	1.00	.
L411	019-02084-0029		CH 2.2UH 10%	EA	.	.	1.00
L412	999-09999-0098		PLACE HOLDER	RF	.	.	.00
L413	999-09999-0098		PLACE HOLDER	RF	.	.	.00
L414	999-09999-0098		PLACE HOLDER	RF	.	.	.00
L415	013-00006-0001		FERR BEAD	EA	.	.	1.00
Q401	007-00250-0000		XSTR 2N4427	EA	.	.	1.00
Q402	007-00483-0000		XSTR RF, POWER	EA	.	.	1.00
Q403	007-00500-0000		XSTR RF 2SC1946A	EA	.	.	1.00
Q404	007-00195-0000		XSTR S MPSH10	EA	.	.	1.00
R401	131-00182-0023		RES CF 1.8K QW 5%	EA	.	.	1.00
R402	131-00471-0023		RES CF 470 QW 5%	EA	.	.	1.00
R403	131-00300-0033		RES CF 30 HW 5%	EA	.	.	1.00
R404	131-00100-0023		RES CF 10 QW 5%	EA	.	.	1.00
R405	131-00100-0033		RES CF 10 HW 5%	EA	.	.	1.00
R406	999-09999-0098		PLACE HOLDER	RF	.	.	.00
R407	999-09999-0098		PLACE HOLDER	RF	.	.	.00
R408	131-00103-0023		RES CF 10K QW 5%	EA	.	.	1.00
R409	131-00100-0023		RES CF 10 QW 5%	EA	.	.	1.00
R410	139-00511-0000		RES CH 51.1 EW 1%	EA	.	.	1.00
R411	130-05101-0043		RES CHIP 100 HW	EA	.	.	1.00
R412	130-05101-0043		RES CHIP 100 HW	EA	.	.	1.00
REF1	300-07540-0000		5W TRANSMITTER BOA	RF	.00	.	.
REF1	300-07540-0001		5W TRANSMITTER BOA	RF	.	.00	.
REF2	002-07540-0000		SCH 14V TX BD KY 9	RF	.00	.	.
REF2	002-07540-0001		SCH KY96A 28V5WTXB	RF	.	.00	.
T401	019-03026-0002		XFMR TW BIFLR	EA	.	.	1.00
T402	019-03026-0003		XFMR TWISTED BIFLR	EA	.	.	1.00
T403	019-03124-0001		XFMR BIFILAR RF 4T	EA	.	.	1.00
	009-08413-0000		KLX135 TX BD 14V	EA	.	.	1.00
	012-01127-0001		TAG COVER	EA	.	.	4.00
	016-01004-0000		COMPOUND THRML JNT	AR	.	.	1.00
	016-01008-0004		GLYPTAL 7526 BL	AR	.	.	1.00
	016-01071-0000		DC RTV 3140	AR	.	.	1.00
	025-00004-0003		WIRE 20 ORN	IN	10.30	10.00	.
	025-00005-0002		WIRE 18 RED	IN	.	.	6.00
	025-00018-0089		WIRE 26 GY/WH	IN	.	.	5.20
	026-00003-0000		WIRE, CU, 22AWG, T	IN	.	.	1.50
	026-00004-0000		WIRE, CU, 20AWG, T	IN	.	.	1.00
	026-00013-0000		WIRE, COAX, RG-178	IN	.	.	7.00
	030-00152-0000		CONN BNC HEX	EA	.	.	1.00
	073-00389-0014		TRANSMITTER HOUS	EA	.	.	1.00
	089-05901-0004		SCR PHP 3-48X1/4	EA	.	.	6.00
	089-05903-0004		SCR PHP 4-40X1/4	EA	.	.	3.00
	089-08033-0030		WASHER, INTERNAL L	EA	.	.	1.00
	090-00133-0001		HEATSINK .323 LG	EA	.	.	1.00
	091-00028-0000		SCREW, BINDER HD,	EA	.	.	1.00
	091-00155-0000		WASHER MICA	EA	.	.	1.00
	150-00103-0000		SLDR SLEEVE	EA	.	.	2.00
	200-07540-0099		KY96A/97A COM TXBD	EA	1.00	1.00	.

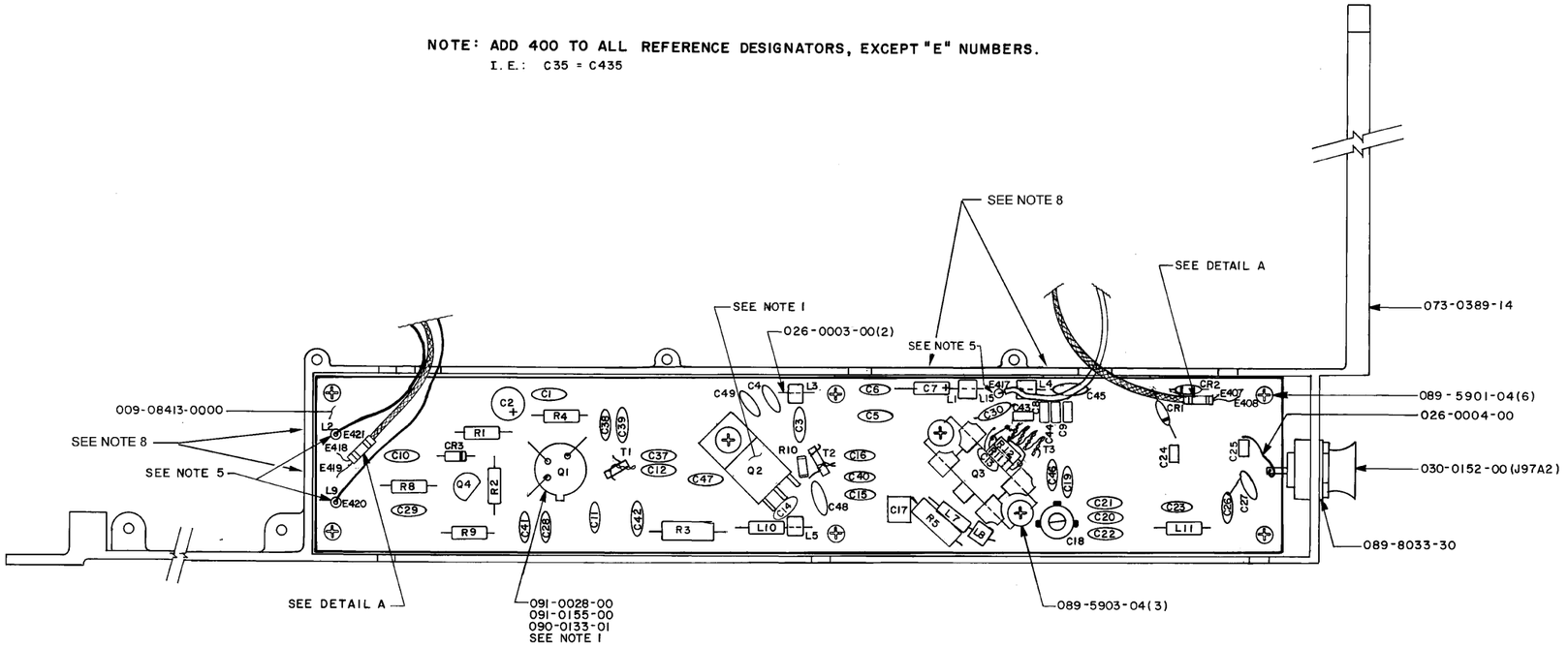
THIS PAGE CONTAINS OLD REVISION BOMS, FOR REFERENCE ONLY.

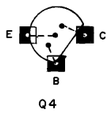
200-07540-0000 KY97A 14V 5W TX BD REV 4 KY 0097A
200-07540-0001 KY 96A 28V 5W TX B REV 4 KY 0096A
200-07540-0099 KY96A/97A COM TXBD REV 11 KY 0096A KY 0097A

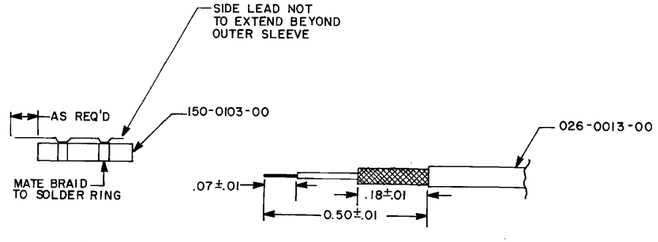
	SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000	0001	0099
		009-07540-0000	PC BD 14V TX		EA	.	.	1.00
		016-01004-0000	COMPOUND THRML JNT		AR	.	.	1.00
		016-01008-0004	GLYPTAL 7526 BL		AR	.	.	1.00
		016-01071-0000	DC RTV 3140		AR	.	.	1.00
		025-00004-0003	WIRE 20 ORN		IN	10.30	10.00	.
		025-00018-0089	WIRE 26 GY/WH		IN	.	.	5.20
		025-05003-0099	WIRE 20 WHT		IN	.	.	6.50
		026-00003-0000	WIRE COP TIN 22G		IN	.	.	1.50
		026-00004-0000	WIRE COP TIN 20G		IN	.	.	1.00
		026-00013-0000	CA COAX RG-178BU		IN	.	.	7.00
		030-00152-0000	CONN BNC HEX		EA	.	.	1.00
		073-00389-0014	TRANSMITTER HOUS	A	EA	.	.	1.00
		089-05901-0004	SCR PHP 3-48X1/4		EA	.	.	6.00
		089-05903-0004	SCR PHP 4-40X1/4		EA	.	.	3.00
		089-08033-0030	WSHR INTL LK .391		EA	.	.	1.00
		090-00133-0001	HEATSINK .323 LG		EA	.	.	1.00
		091-00028-0000	SCR BHS 4-40X.187		EA	.	.	1.00
		091-00155-0000	WASHER MICA		EA	.	.	1.00
		150-00005-0010	TUBING TFLN 20AWG		IN	.	.	1.25
		150-00042-0010	SHRINK TUBING .187		IN	.	.	0.50
		150-00103-0000	SLDR SLEEVE		EA	.	.	2.00
		200-07540-0099	KY96A/97A COM TXBD	A	EA	1.00	1.00	.
C	401	113-05102-0000	CAP DC .001UF 500V		EA	.	.	1.00
C	402	097-00104-0036	CAP AL 47UF 25V		EA	.	.	1.00
C	403	113-05331-0000	CAP DC 330PF 500V		EA	.	.	1.00
C	404	113-03121-0000	CAP DC 120PF 500V		EA	.	.	1.00
C	405	113-05102-0000	CAP DC .001UF 500V		EA	.	.	1.00
C	406	111-00001-0001	CAP CR .1UF 50V		EA	.	.	1.00
C	407	096-01006-0000	CAP TN 1.0UF 50V		EA	.	.	1.00
C	408	106-04331-0026	CAPCH330PFNPO/100V		EA	.	.	1.00
C	409	106-04331-0026	CAPCH330PFNPO/100V		EA	.	.	1.00
C	410	113-03151-0000	CAP DC 150PF 500V		EA	.	.	1.00
C	411	104-00001-0015	CAP SM 10PF 100V		EA	.	.	1.00
C	412	104-00001-0009	CAP SM 47PF 100V		EA	.	.	1.00
C	413	104-00001-0017	CAP SM 39PF 100V		EA	.	.	1.00
C	414	104-00001-0000	CAP SM 100PF 100V		EA	.	.	1.00
C	415	104-00001-0014	CAP SM 33PF 100V		EA	.	.	1.00
C	416	104-00001-0008	CAP SM 75PF 100V		EA	.	.	1.00
C	417	100-00003-0001	300PF 500V 5% CP		EA	.	.	1.00
C	418	102-00024-0009	CAP VA 7-35PF 160V		EA	.	.	1.00
C	419	104-00001-0030	CAP SM 18PF 500V		EA	.	.	1.00
C	420	104-00001-0033	CAP SM 15PF 500V		EA	.	.	1.00
C	421	104-00001-0030	CAP SM 18PF 500V		EA	.	.	1.00
C	422	104-00001-0063	CAP SM 12PF 100V		EA	.	.	1.00
C	423	104-00001-0041	CAP SM 22PF 500V		EA	.	.	1.00
C	424	106-00001-0042	CAP FC 9.1PF5%500V		EA	.	.	1.00
C	425	106-00001-0034	CAP FC 6.8 5% 500V		EA	.	.	1.00
C	426	104-00001-0041	CAP SM 22PF 500V		EA	.	.	1.00
C	427	104-00001-0063	CAP SM 12PF 100V		EA	.	.	1.00
C	428	113-03121-0000	CAP DC 120PF 500V		EA	1.00	.	.
C	428	113-05102-0000	CAP DC .001UF 500V		EA	.	1.00	.
C	429	113-05331-0000	CAP DC 330PF 500V		EA	.	.	1.00
C	430	113-05102-0000	CAP DC .001UF 500V		EA	.	.	1.00
C	431	999-09999-0098	NOT USED		RF	.	.	X.

THIS PAGE CONTAINS OLD REVISION BOMS, FOR REFERENCE ONLY.

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000	0001	0099
C 432	999-09999-0098	NOT USED		RF	.	.	X.
C 433	999-09999-0098	NOT USED		RF	.	.	X.
C 434	999-09999-0098	NOT USED		RF	.	.	X.
C 436	999-09999-0098	NOT USED		RF	.	.	X.
C 437	104-00001-0045	CAP SM 43PF 100V		EA	.	.	1.00
C 438	113-03121-0000	CAP DC 120PF 500V		EA	.	.	1.00
C 439	113-05331-0000	CAP DC 330PF 500V		EA	.	.	1.00
C 440	104-00001-0031	CAP SM 27PF 500V		EA	.	.	1.00
C 441	111-00001-0021	CAP CR .0068UF 100		EA	.	.	1.00
C 442	104-00001-0002	CAP SM 91PF 100V		EA	.	.	1.00
C 443	106-04331-0026	CAPCH330PFNPO/100V		EA	.	.	1.00
C 444	106-04331-0026	CAPCH330PFNPO/100V		EA	.	.	1.00
C 445	113-05102-0000	CAP DC .001UF 500V		EA	1.00	.	.
C 445	999-09999-0098	NOT USED		RF	.	X.	.
C 446	113-05331-0000	CAP DC 330PF 500V		EA	.	.	1.00
C 447	104-00001-0002	CAP SM 91PF 100V		EA	.	.	1.00
C 448	104-00001-0009	CAP SM 47PF 100V		EA	.	.	1.00
C 449	113-03121-0000	CAP DC 120PF 500V		EA	.	.	1.00
CR 401	007-06099-0000	DIO UM9401		EA	.	.	1.00
CR 402	007-06099-0000	DIO UM9401		EA	.	.	1.00
CR 403	007-06228-0000	RF SWITCHING DIODE		EA	.	.	1.00
L 401	013-00006-0001	FERR BEAD		EA	.	.	1.00
L 402	013-00006-0001	FERR BEAD		EA	.	.	1.00
L 403	013-00006-0001	FERR BEAD		EA	.	.	1.00
L 404	013-00006-0001	FERR BEAD		EA	.	.	1.00
L 405	013-00006-0001	FERR BEAD		EA	.	.	1.00
L 406	999-09999-0098	NOT USED		RF	.	.	X.
L 407	019-02084-0005	CH .22UH 10%		EA	.	.	1.00
L 408	013-00006-0001	FERR BEAD		EA	.	.	1.00
L 409	013-00006-0001	FERR BEAD		EA	.	.	1.00
L 410	019-02084-0001	CH .15UH 10%		EA	1.00	.	.
L 410	019-02084-0005	CH .22UH 10%		EA	.	1.00	.
L 411	019-02084-0029	CH 2.2UH 10%		EA	.	.	1.00
L 412	999-09999-0098	NOT USED		RF	.	.	X.
L 413	999-09999-0098	NOT USED		RF	.	.	X.
L 414	999-09999-0098	NOT USED		RF	.	.	X.
Q 401	007-00250-0000	XSTR 2N4427		EA	.	.	1.00
Q 402	007-00483-0000	XSTR RF SD1574-1		EA	.	.	1.00
Q 403	007-00500-0000	XSTR RF 2SC1946A		EA	.	.	1.00
Q 404	007-00195-0000	XSTR S MPSH10		EA	.	.	1.00
R 401	131-00182-0023	RES CF 1.8K QW 5%		EA	.	.	1.00
R 402	131-00471-0023	RES CF 470 QW 5%		EA	.	.	1.00
R 403	131-00300-0033	RES CF 30 HW 5%		EA	.	.	1.00
R 404	131-00100-0023	RES CF 10 QW 5%		EA	.	.	1.00
R 405	131-00100-0033	RES CF 10 HW 5%		EA	.	.	1.00
R 406	999-09999-0098	NOT USED		RF	.	.	X.
R 407	999-09999-0098	NOT USED		RF	.	.	X.
R 408	131-00103-0023	RES CF 10K QW 5%		EA	.	.	1.00
R 409	131-00100-0023	RES CF 10 QW 5%		EA	.	.	1.00
R 410	139-00511-0000	RES CH 51.1 EW 1%		EA	.	.	1.00
R 411	130-05101-0043	RES CHIP 100 HW		EA	.	.	1.00
R 412	130-05101-0043	RES CHIP 100 HW		EA	.	.	1.00
REF 1	300-07540-0000	14V TX BD ASSY		RF	X.	.	.
REF 1	300-07540-0001	KY 96A 28V 5W TX B		RF	.	X.	.
REF 2	002-07540-0000	SCH 14V TX BD		RF	X.	.	.
REF 2	002-07540-0001	SCH KY96A 28V5WTXB		RF	.	X.	.
T 401	019-03026-0002	XFMR TW BIFLR		EA	.	.	1.00
T 402	019-03026-0003	XFMR TWISTED BIFLR		EA	.	.	1.00
T 403	019-03124-0001	XFMR BIFILAR RF 4T		EA	.	.	1.00







COAX TO SOLDER SLEEVE ASSY.

DETAIL "A"

NOTES:

1. APPLY THERMAL COMPOUND (016-1004-00) TO BACK SIDE OF TRANSISTORS Q2 AND Q3 ONLY AND TO BACK SIDE OF HEATSINK. ON Q1 ADD THERMAL COMPOUND TO TRANSISTOR CASE AND THE SCREW SIDE OF THE HEATSINK. Q1, Q2, Q3 ARE TO BE INSTALLED AFTER THEY ARE MOUNTED IN THE CASTINGS.
2. KEEP WINDINGS OF T3 AS CLOSE AS POSSIBLE TO EACH OTHER AND KEEP LEAD LENGTHS AS SHORT AS POSSIBLE.
3. ALL LEAD LENGTHS MUST BE AS SHORT AS POSSIBLE. SOLDER JOINTS ON ALL CAPACITOR LEADS SHOULD EXTEND ALL THE WAY TO THE BODY OF THE CAPACITOR WHERE POSSIBLE.
4. ENTIRE ASS'Y MUST BE ESPECIALLY CLEAN AND FREE OF FLUX DEPOSITS.
5. SECURE BEAD TO BOARD WITH RTV (016-1071-00).
7. C413 IS A TEST SELECT VALUE.
8. PLACE STICKER 012-01127-0001 OVER HOLE IN CASTING AT INDICATED POSITION.

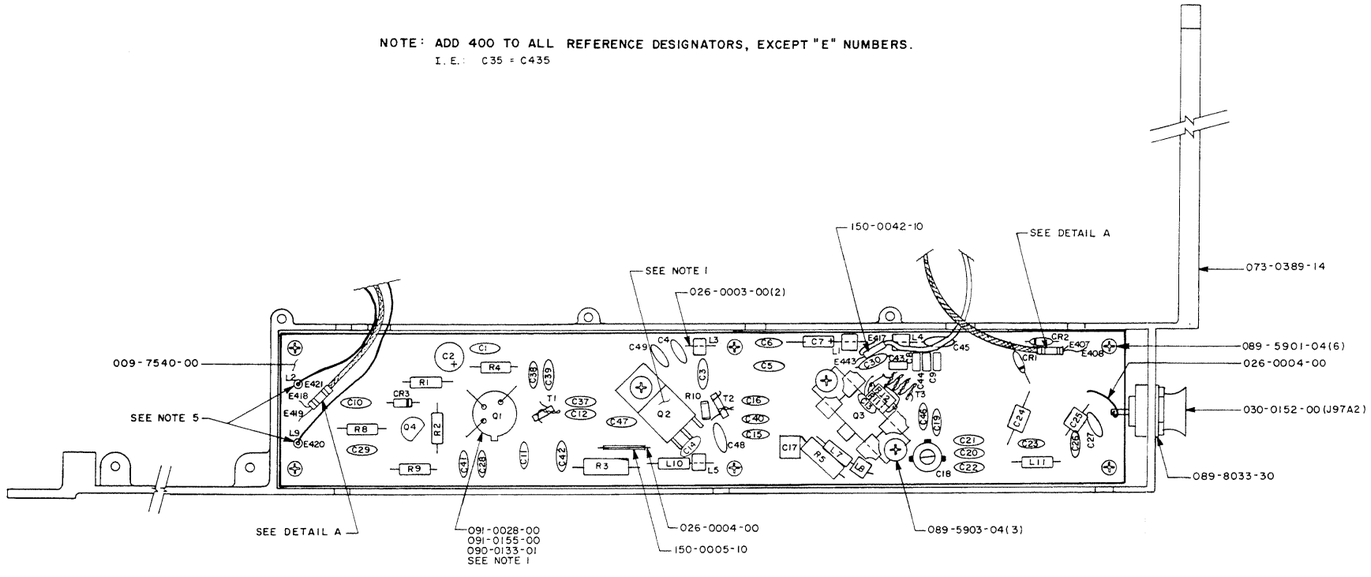
WIRING CHART

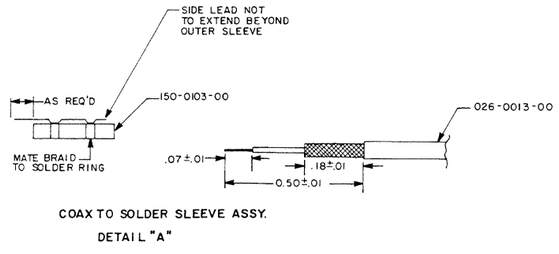
FROM	TO	PART NUMBER	LENGTH	TOLERANCE
E417 E443	E117	025-00005-0002	6.00"	MAX
E418 E419	E118 E119	026-0013-00	4.75	MAX
E407 E408	E107 E108	026-0013-00	2.25	MAX
E420	E120	025-0018-89	5.20	± 5%
E421	E121	025-0004-03	10.30	± 5%
E423	E123	NOT USED		

REF. B/M: 200-7540-00

Dwg 300-07540-0000 Rev AA

FIGURE 6-9 KY 97A (14V) Transmitter Board Assembly (Dwg No 300-07540-0000, Rev AA)





NOTES:

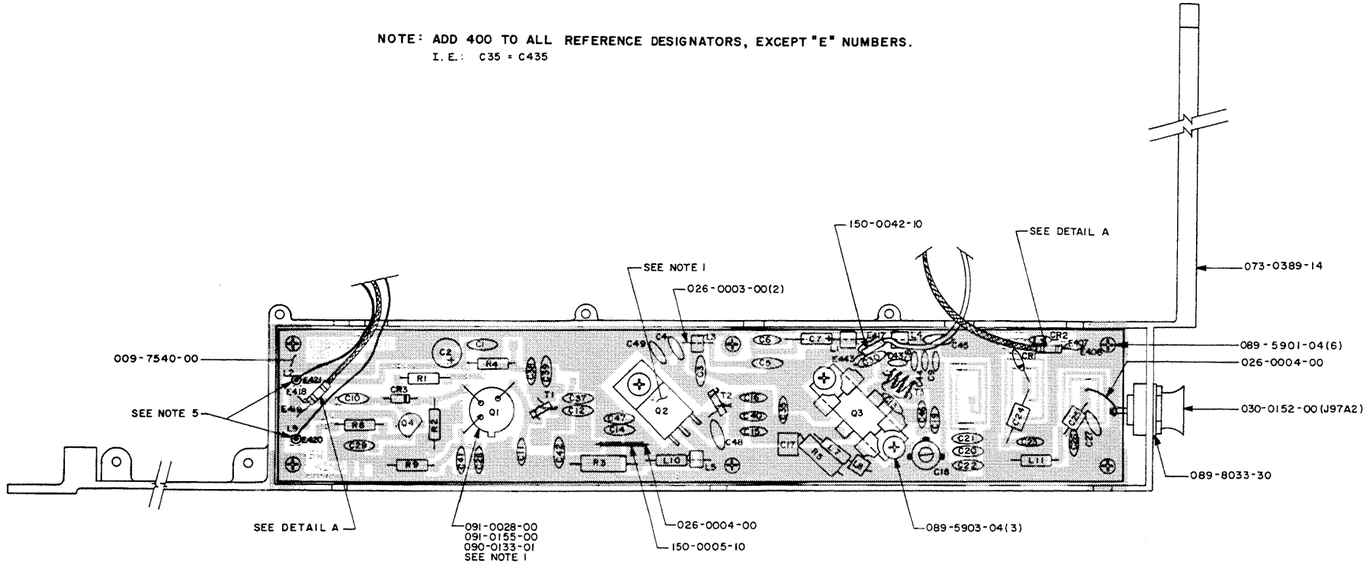
1. APPLY THERMAL COMPOUND (016-1004-00) TO BACK SIDE OF TRANSISTORS Q2 AND Q3 ONLY AND TO BACK SIDE OF HEATSINK. ON Q1 ADD THERMAL COMPOUND TO TRANSISTOR CASE AND THE SCREW SIDE OF THE HEATSINK. Q1, Q2, Q3 ARE TO BE INSTALLED AFTER THEY ARE MOUNTED IN THE CASTINGS.
2. KEEP WINDINGS OF T3 AS CLOSE AS POSSIBLE TO EACH OTHER AND KEEP LEAD LENGTHS AS SHORT AS POSSIBLE.
3. ALL LEAD LENGTHS MUST BE AS SHORT AS POSSIBLE. SOLDER JOINTS ON ALL CAPACITOR LEADS SHOULD EXTEND ALL THE WAY TO THE BODY OF THE CAPACITOR WHERE POSSIBLE.
4. ENTIRE ASS'Y MUST BE ESPECIALLY CLEAN AND FREE OF FLUX DEPOSITS.
5. SECURE BEAD TO BOARD WITH RTV (016-1071-00).

WIRING CHART

FROM	TO	PART NUMBER	LENGTH	TOLERANCE
E417 E443	E117	025-5003-99	6.50	MAX
E418 E419	E118 E119	026-0013-00	4.75	MAX
E407 E408	E107 E108	026-0013-00	2.25	MAX
E420	E120	025-0018-89	5.20	± 5%
E421	E121	025-0004-03	10.30	± 5%
E423	E123	NOT USED		

Dwg 300-07540-0000 Rev 6

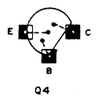
FIGURE 6-9A KY 97A (14V) Transmitter Board Assembly (Dwg No 300-07540-0000, Rev 6)

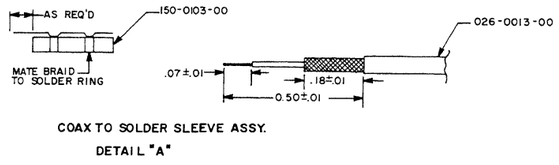


NOTES:

1. APPLY THERMAL COMPOUND (016-1004-00) TO BACK SIDE OF TRANSISTORS Q2 AND Q3 ONLY AND TO BACK SIDE OF HEATSINK. ON Q1 ADD THERMAL COMPOUND TO TRANSISTOR CASE AND THE SCREW SIDE OF THE HEATSINK. Q1, Q2, Q3 ARE TO BE INSTALLED AFTER THEY ARE MOUNTED IN THE CASTINGS.
2. KEEP WINDINGS OF T3 AS CLOSE AS POSSIBLE TO EACH OTHER AND KEEP LEAD LENGTHS AS SHORT AS POSSIBLE.
3. ALL LEAD LENGTHS MUST BE AS SHORT AS POSSIBLE, SOLDER JOINTS ON ALL CAPACITOR LEADS SHOULD EXTEND ALL THE WAY TO THE BODY OF THE CAPACITOR WHERE POSSIBLE.
4. ENTIRE ASS'Y MUST BE ESPECIALLY CLEAN AND FREE OF FLUX DEPOSITS.
5. SECURE BEAD TO BOARD WITH RTV (016-1071-00).

WIRING CHART				
FROM	TO	PART NUMBER	LENGTH	TOLERANCE
E417 E443	E117	025-5003-99	6.50	MAX
E418 E419	E118 E119	026-0013-00	4.75	MAX
E407 E408	E107 E108	026-0013-00	2.25	MAX
E420	E120	025-0018-89	5.20	± 5%
E421	E121	025-0004-03	10.30	± 5%
E423	E123	NOT USED		

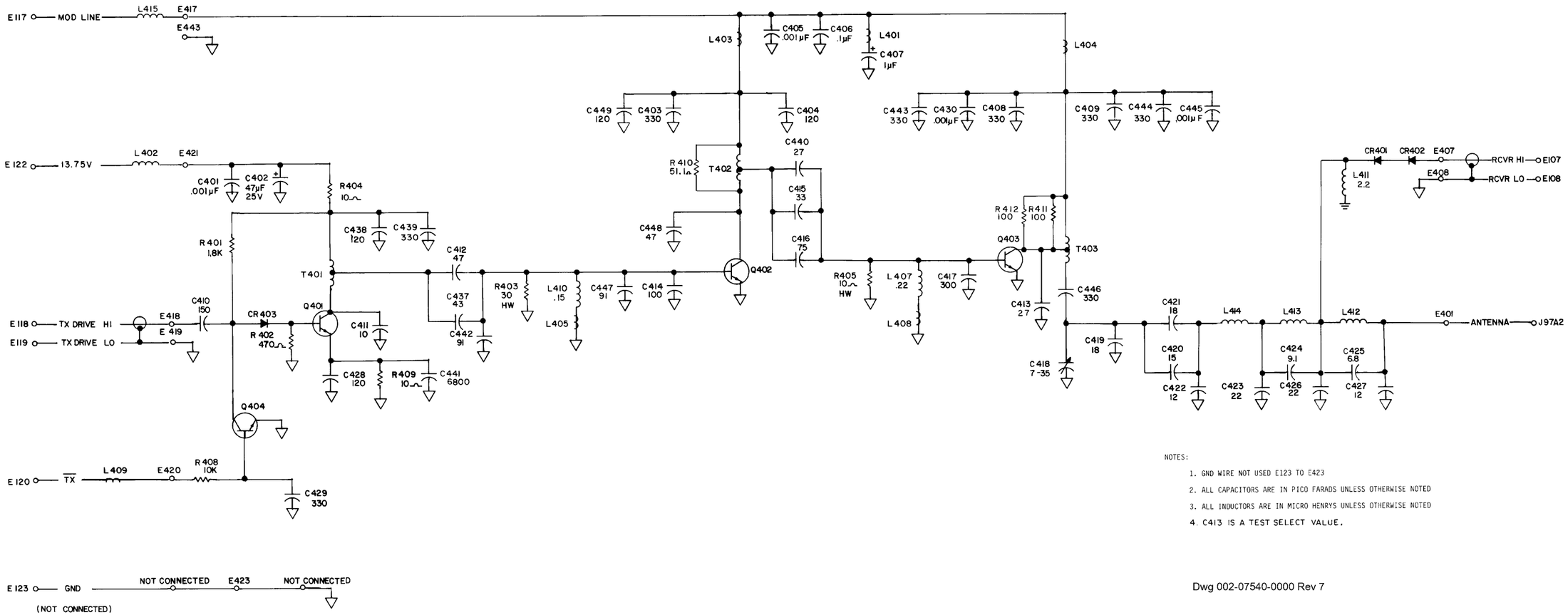




COAX TO SOLDER SLEEVE ASSY.
DETAIL "A"

Dwg 300-07540-0000 Rev 3

FIGURE 6-9B KY 97A (14V) Transmitter Board Assembly (Dwg No 300-07540-0000, Rev 3)

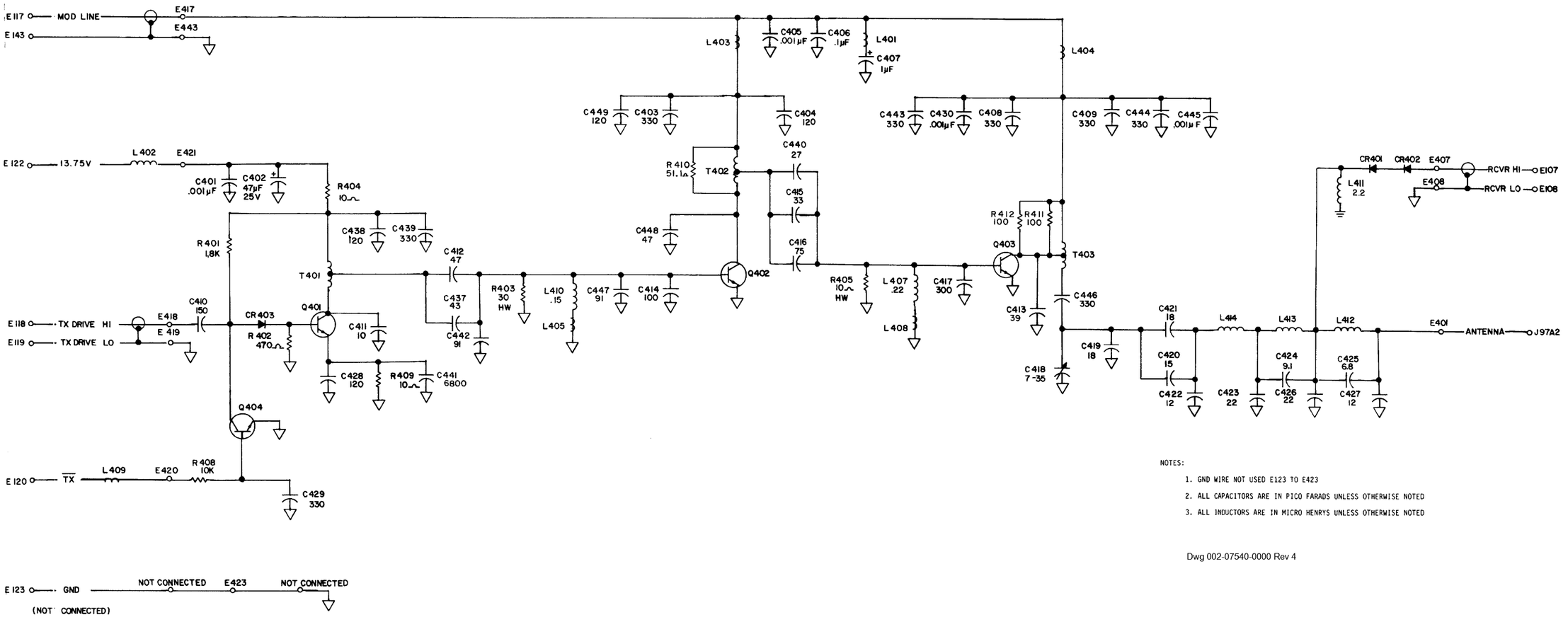


NOTES:

1. GND WIRE NOT USED E123 TO E423
2. ALL CAPACITORS ARE IN PICO FARADS UNLESS OTHERWISE NOTED
3. ALL INDUCTORS ARE IN MICRO HENRYS UNLESS OTHERWISE NOTED
4. C413 IS A TEST SELECT VALUE.

Dwg 002-07540-0000 Rev 7

FIGURE 6-10 KY 97A (14V) Transmitter Board Schematic
(Dwg No 002-07540-0000, Rev 7)

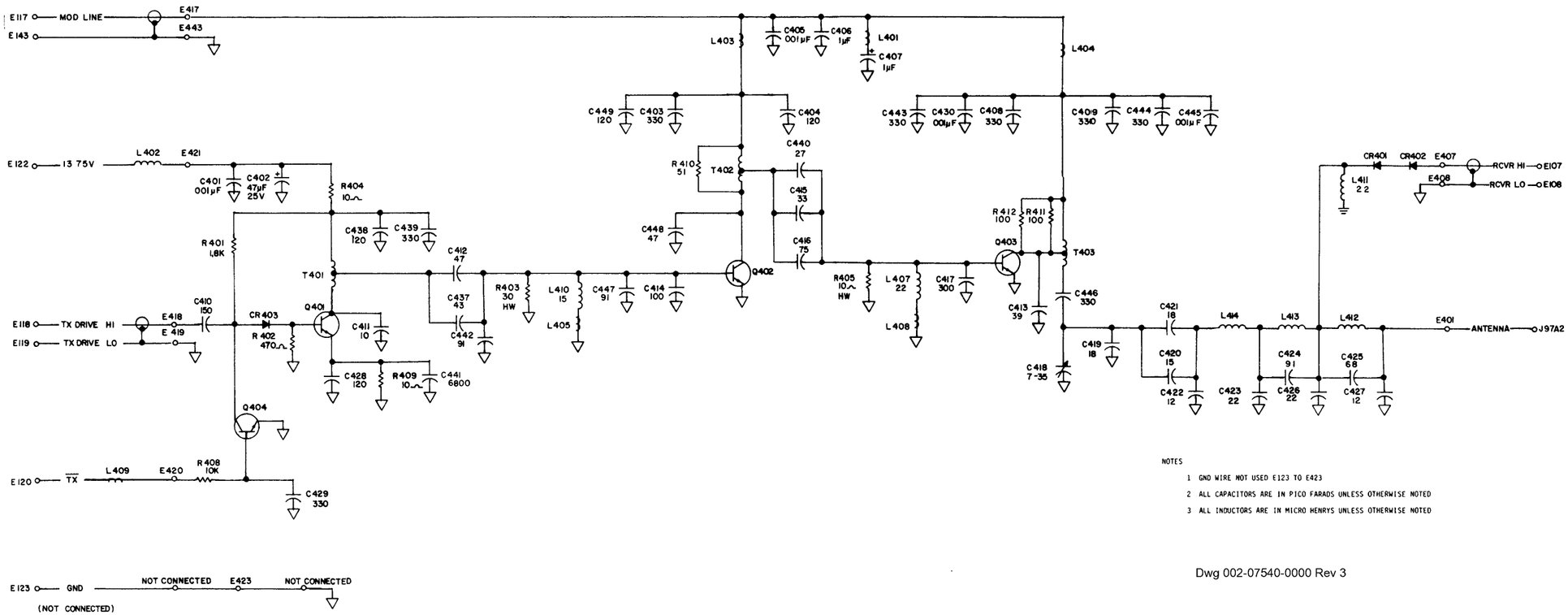


NOTES:

1. GND WIRE NOT USED E123 TO E423
2. ALL CAPACITORS ARE IN PICO FARADS UNLESS OTHERWISE NOTED
3. ALL INDUCTORS ARE IN MICRO HENRYS UNLESS OTHERWISE NOTED

Dwg 002-07540-0000 Rev 4

FIGURE 6-10A KY 97A (14V) Transmitter Board Schematic (Dwg No 002-07540-0000, Rev 4)



NOTES

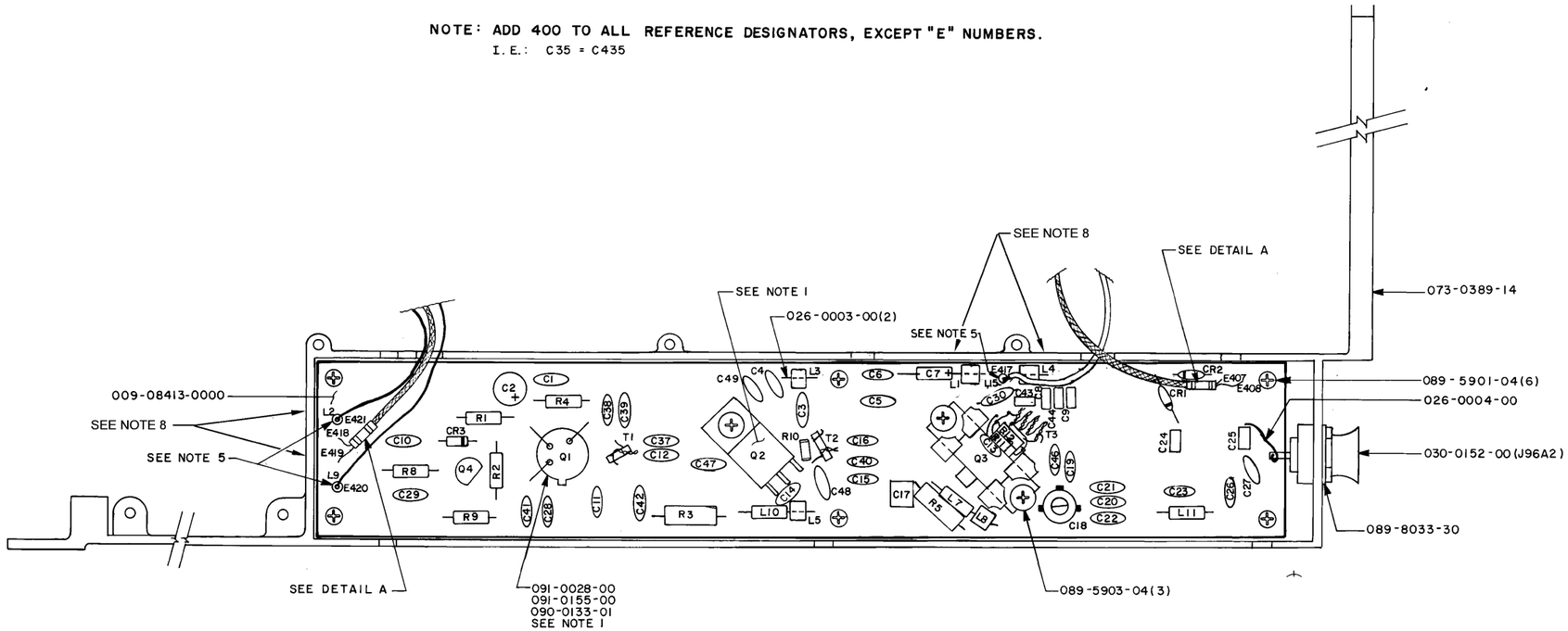
1 GND WIRE NOT USED E123 TO E423

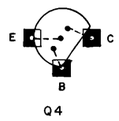
2 ALL CAPACITORS ARE IN PICO FARADS UNLESS OTHERWISE NOTED

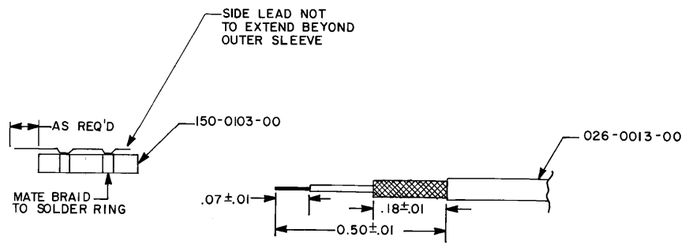
3 ALL INDUCTORS ARE IN MICRO HENRYS UNLESS OTHERWISE NOTED

Dwg 002-07540-0000 Rev 3

FIGURE 6-10B KY 97A (14V) Transmitter Board Schematic (Dwg No 002-07540-0000, Rev 3)







COAX TO SOLDEP SLEEVE ASSY.
DETAIL "A"

NOTES:

1. APPLY THERMAL COMPOUND (016-1004-00) TO BACK SIDE OF TRANSISTORS Q2 AND Q3 ONLY AND TO BACK SIDE OF HEATSINK. ON Q1 ADD THERMAL COMPOUND TO TRANSISTOR CASE AND THE SCREW SIDE OF THE HEATSINK. Q1, Q2, Q3 ARE TO BE INSTALLED AFTER THEY ARE MOUNTED IN THE CASTINGS.
2. KEEP WINDINGS OF T3 AS CLOSE AS POSSIBLE TO EACH OTHER AND KEEP LEAD LENGTHS AS SHORT AS POSSIBLE.
3. ALL LEAD LENGTHS MUST BE AS SHORT AS POSSIBLE. SOLDER JOINTS ON ALL CAPACITOR LEADS SHOULD EXTEND ALL THE WAY TO THE BODY OF THE CAPACITOR WHERE POSSIBLE.
4. ENTIRE ASS'Y MUST BE ESPECIALLY CLEAN AND FREE OF FLUX DEPOSITS.
5. SECURE BEAD TO BOARD WITH RTV (016-1071-00).
7. C413 IS A TEST SELECT VALUE.
8. PLACE STICKER 012-01127-0001 OVER HOLE IN CASTING AT INDICATED POSITION.

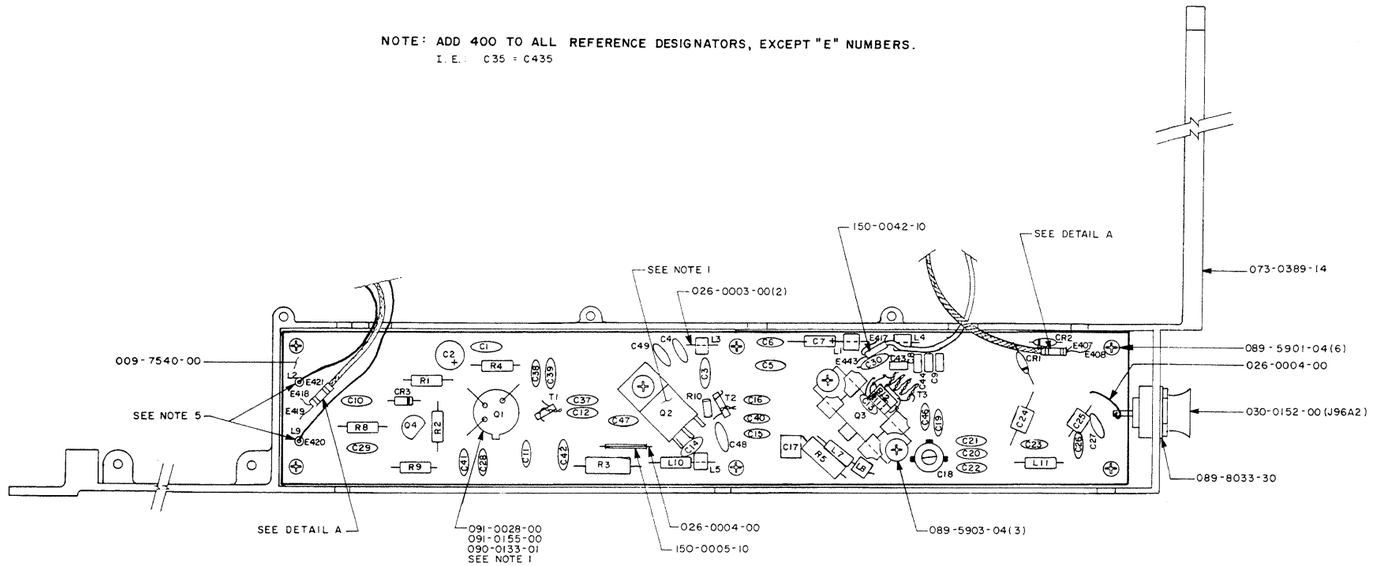
WIRING CHART

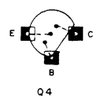
FROM	TO	PART NUMBER	LENGTH	TOLERANCE
E417 E443	E117	025-00005-0002	6.00"	MAX
E418 E419	E118 E119	026-0013-00	4.75	MAX
E407 E408	E107 E108	026-0013-00	2.25	MAX
E420	E120	025-0018-89	5.20	± 5%
E421	E122	025-0004-03	10.00	± 5%
E423	E123	NOT USED		

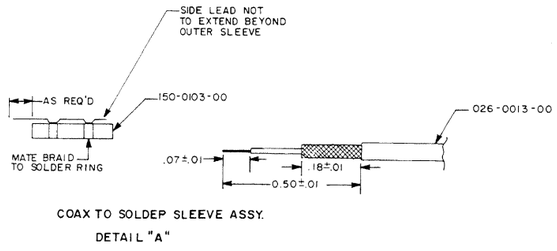
Dwg 300-07540-0001 Rev AA

REF. B/M: 200-7540-01

FIGURE 6-11 KY 96A (28V) Transmitter Board Assembly (Dwg No 300-07540-0001, Rev AA)







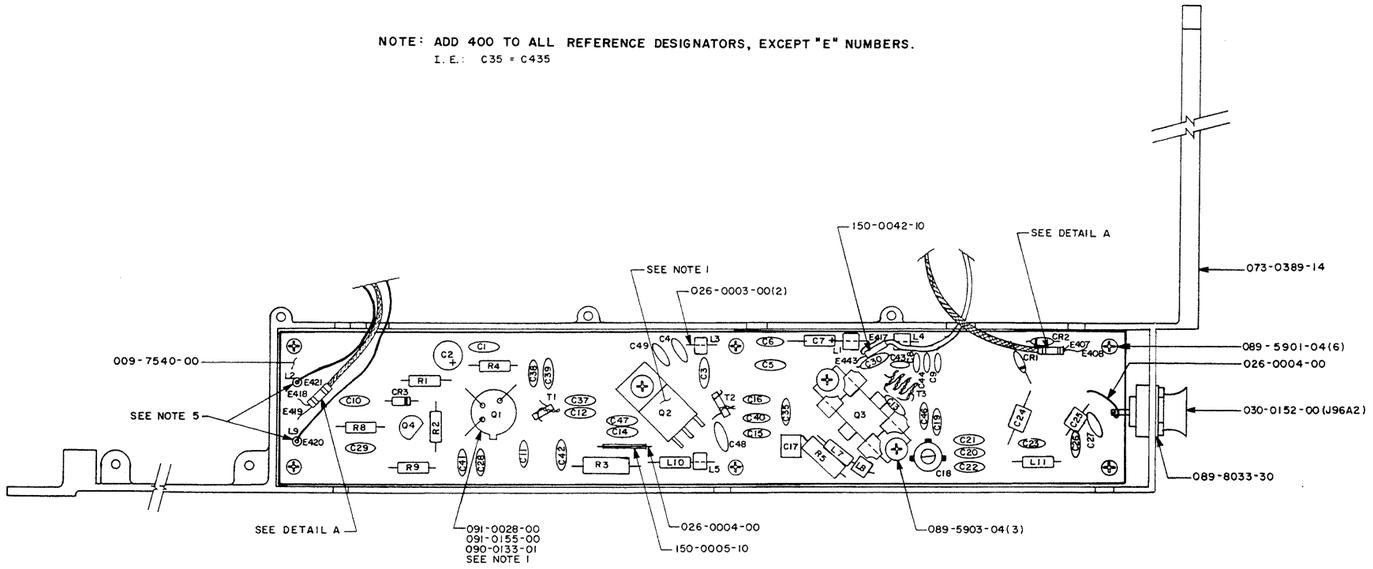
NOTES:

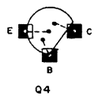
1. APPLY THERMAL COMPOUND (016-1004-00) TO BACK SIDE OF TRANSISTORS Q2 AND Q3 ONLY AND TO BACK SIDE OF HEATSINK. ON Q1 ADD THERMAL COMPOUND TO TRANSISTOR CASE AND THE SCREW SIDE OF THE HEATSINK. Q1, Q2, Q3 ARE TO BE INSTALLED AFTER THEY ARE MOUNTED IN THE CASTINGS.
2. KEEP WINDINGS OF T3 AS CLOSE AS POSSIBLE TO EACH OTHER AND KEEP LEAD LENGTHS AS SHORT AS POSSIBLE.
3. ALL LEAD LENGTHS MUST BE AS SHORT AS POSSIBLE. SOLDER JOINTS ON ALL CAPACITOR LEADS SHOULD EXTEND ALL THE WAY TO THE BODY OF THE CAPACITOR WHERE POSSIBLE.
4. ENTIRE ASS'Y MUST BE ESPECIALLY CLEAN AND FREE OF FLUX DEPOSITS.
5. SECURE BEAD TO BOARD WITH RTV (016-1071-00).

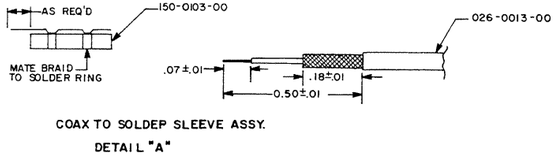
WIRING CHART				
FROM	TO	PART NUMBER	LENGTH	TOLERANCE
E417 E443	E117	025-5003-99	6.50	MAX
E418 E419	E118 E119	026-0013-00	4.75	MAX
E407 E408	E107 E108	026-0013-00	2.25	MAX
E420	E120	025-0018-89	5.20	± 5%
E42.	E122	025-0004-03	10.00	± 5%
E423	E123	NOT USED		

Dwg 300-07540-0001 Rev 6

FIGURE 6-11A KY 96A (28V) Transmitter Board Assembly (Dwg No 300-07540-0001, Rev 6)







NOTES:

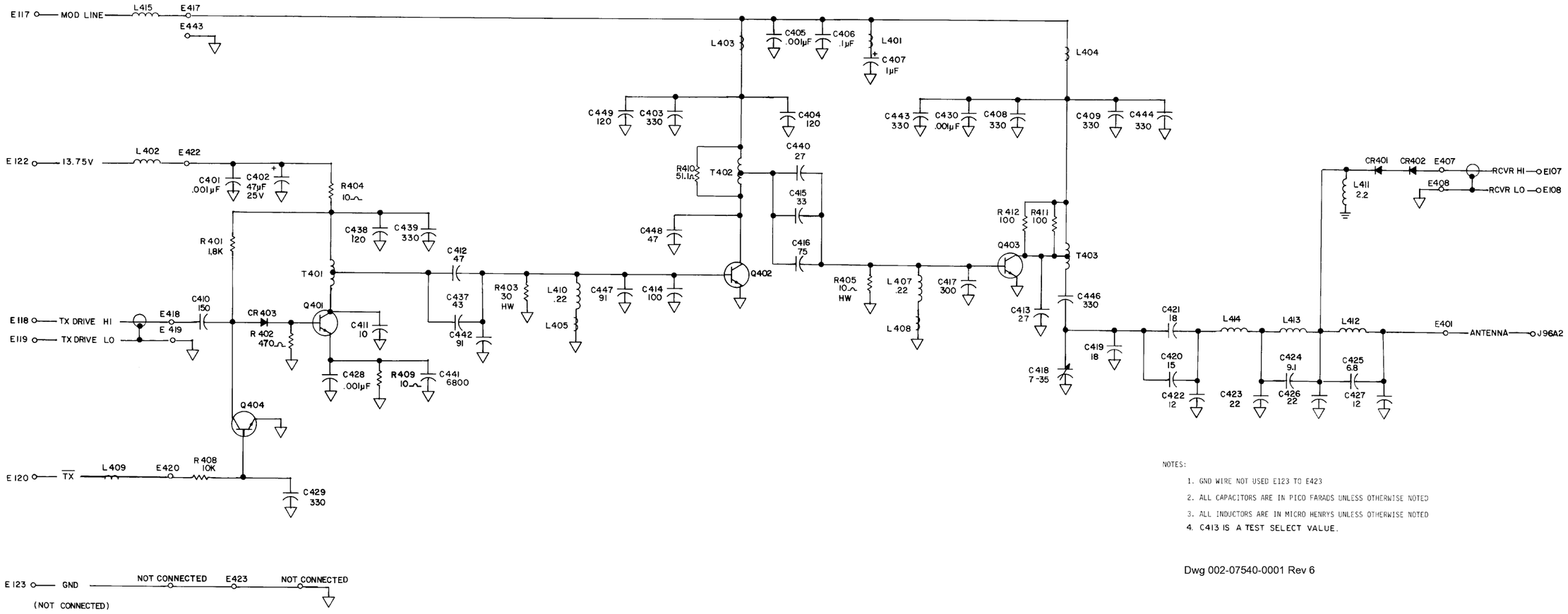
1. APPLY THERMAL COMPOUND (016-1004-00) TO BACK SIDE OF TRANSISTORS Q2 AND Q3 ONLY AND TO BACK SIDE OF HEATSINK. ON Q1 ADD THERMAL COMPOUND TO TRANSISTOR CASE AND THE SCREW SIDE OF THE HEATSINK. Q1, Q2, Q3 ARE TO BE INSTALLED AFTER THEY ARE MOUNTED IN THE CASTINGS.
2. KEEP WINDINGS OF T3 AS CLOSE AS POSSIBLE TO EACH OTHER AND KEEP LEAD LENGTHS AS SHORT AS POSSIBLE.
3. ALL LEAD LENGTHS MUST BE AS SHORT AS POSSIBLE. SOLDER JOINTS ON ALL CAPACITOR LEADS SHOULD EXTEND ALL THE WAY TO THE BODY OF THE CAPACITOR WHERE POSSIBLE.
4. ENTIRE ASS'Y MUST BE ESPECIALLY CLEAN AND FREE OF FLUX DEPOSITS.
5. SECURE BEAD TO BOARD WITH RTV (016-1071-00).

WIRING CHART

FROM	TO	PART NUMBER	LENGTH	TOLERANCE
E417 E443	E117	025-5003-99	6.50	MAX
E418 E419	E118 E119	026-0013-00	4.75	MAX
E407 E408	E107 E108	026-0013-00	2.25	MAX
E420	E120	025-0018-89	5.20	± 5%
E421	E122	025-0004-03	10.00	± 5%
E423	E123	NOT USED		

Dwg 300-07540-0001 Rev 3

FIGURE 6-11B KY 96A (28V) Transmitter Board Assembly (Dwg No 300-07540-0001, Rev 3)

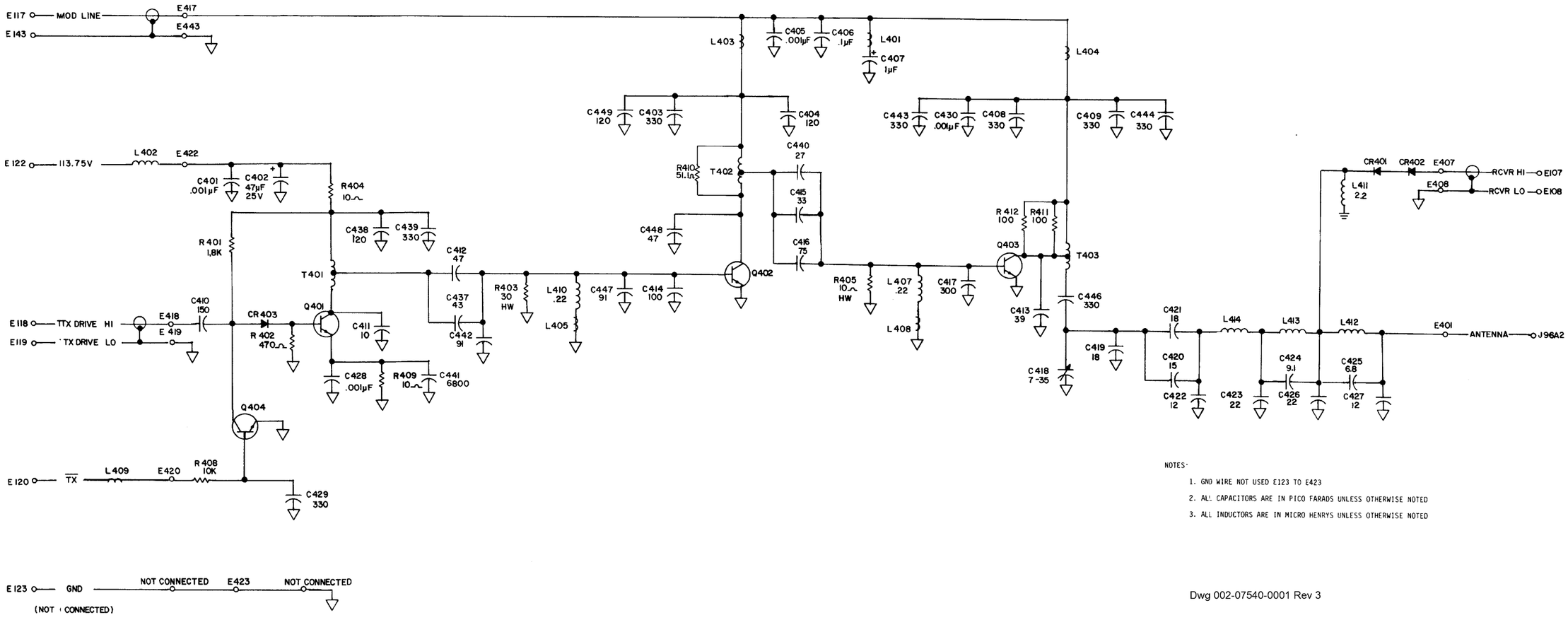


NOTES:

1. GND WIRE NOT USED E123 TO E423
2. ALL CAPACITORS ARE IN PICO FARADS UNLESS OTHERWISE NOTED
3. ALL INDUCTORS ARE IN MICRO HENRYS UNLESS OTHERWISE NOTED
4. C413 IS A TEST SELECT VALUE.

Dwg 002-07540-0001 Rev 6

FIGURE 6-12 KY 96A (28V) Transmitter Board Schematic (Dwg No 002-07540-0001, Rev 6)

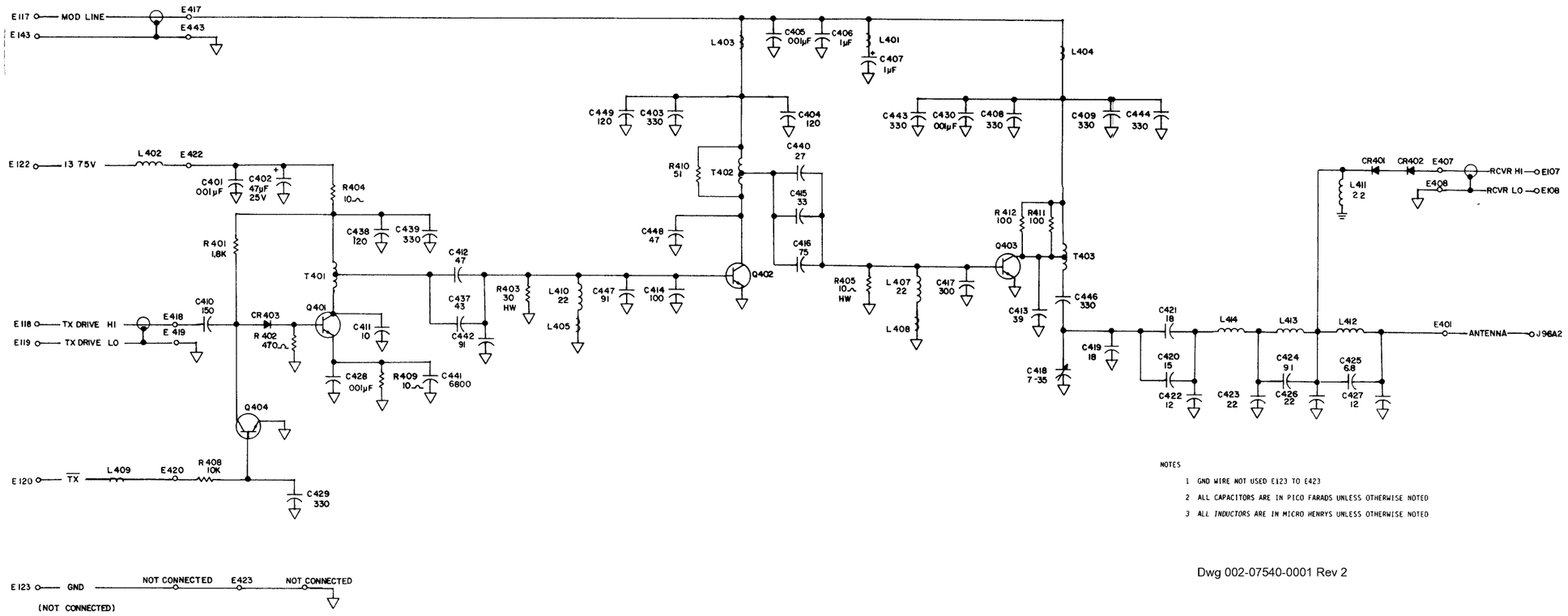


NOTES:

1. GND WIRE NOT USED E123 TO E423
2. ALL CAPACITORS ARE IN PICO FARADS UNLESS OTHERWISE NOTED
3. ALL INDUCTORS ARE IN MICRO HENRYS UNLESS OTHERWISE NOTED

Dwg 002-07540-0001 Rev 3

FIGURE 6-12A KY 96A (28V) Transmitter Board Schematic
(Dwg No 002-07540-0001, Rev 3)

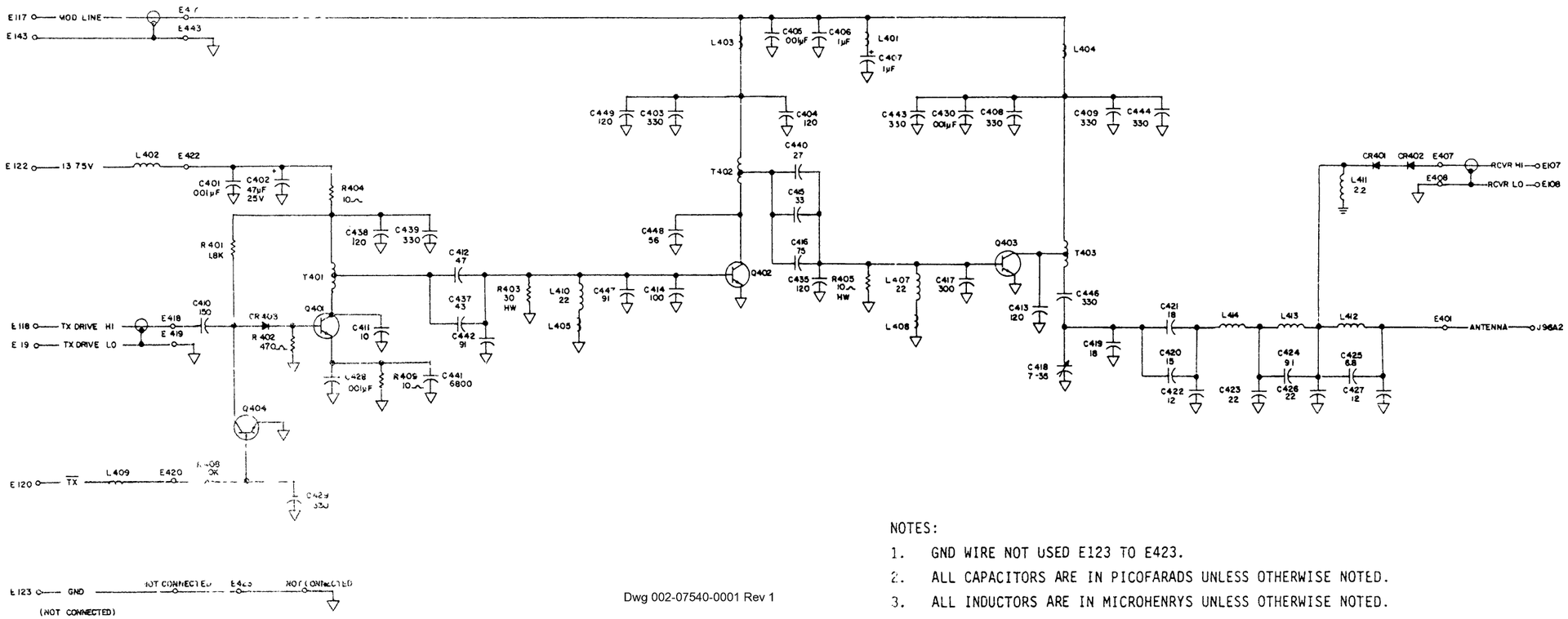


NOTES

1. GND WIRE NOT USED E123 TO E423
2. ALL CAPACITORS ARE IN PICO FARADS UNLESS OTHERWISE NOTED
3. ALL INDUCTORS ARE IN MICRO HENRYS UNLESS OTHERWISE NOTED

Dwg 002-07540-0001 Rev 2

FIGURE 6-12B KY 96A (28V) Transmitter Board Schematic (Dwg No 002-07540-0001, Rev 2)



Dwg 002-07540-0001 Rev 1

NOTES:

1. GND WIRE NOT USED E123 TO E423.
2. ALL CAPACITORS ARE IN PICOFARADS UNLESS OTHERWISE NOTED.
3. ALL INDUCTORS ARE IN MICROHENRYS UNLESS OTHERWISE NOTED.

FIGURE 6-12C KY 96A (28V) Transmitter Board Schematic
(Dwg No 002-07540-0001, Rev 1)

6.4.9 Audio Amplifier Board

200-07797-0000 AUDIO AMP BOARD REV 9

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000
C1201	106-04121-0026		CAPCH120PFNPO/100V	EA	1.00
C1202	106-04121-0026		CAPCH120PFNPO/100V	EA	1.00
C1203	106-04121-0026		CAPCH120PFNPO/100V	EA	1.00
C1204	106-04121-0026		CAPCH120PFNPO/100V	EA	1.00
C1205	106-04121-0026		CAPCH120PFNPO/100V	EA	1.00
C1206	097-00108-0015		CAP EL 10UF 35V	EA	1.00
C1207	106-04103-0057		CAP CH 10KX7R/100V	EA	1.00
C1208	999-09999-0096		RESERVED	RF	.00
C1209	999-09999-0096		RESERVED	RF	.00
C1210	097-00108-0021		CAP EL 1.0UF 50V	EA	1.00
C1211	097-00108-0007		CAP EL 10UF 16V	EA	1.00
C1212	097-00108-0013		CAP EL 33UF	EA	1.00
C1213	097-00108-0021		CAP EL 1.0UF 50V	EA	1.00
C1214	106-04471-0026		CH 470PF NPO/100V	EA	1.00
C1215	097-00108-0014		CAP EL 4.7UF 35V	EA	1.00
C1216	097-00108-0015		CAP EL 10UF 35V	EA	1.00
C1217	097-00108-0013		CAP EL 33UF	EA	1.00
C1218	106-04471-0026		CH 470PF NPO/100V	EA	1.00
C1219	106-04103-0057		CAP CH 10KX7R/100V	EA	1.00
C1220	106-04222-0057		CAPCH2200PFX7R/100	EA	1.00
C1221	106-04102-0026		CH 1KPF NPO/100V	EA	1.00
C1222	097-00108-0007		CAP EL 10UF 16V	EA	1.00
C1223	097-00108-0008		CAP EL 22UF	EA	1.00
C1224	097-00108-0008		CAP EL 22UF	EA	1.00
C1225	097-00149-0002		470UF 50V EL CAP	EA	1.00
C1226	999-09999-0098		PLACE HOLDER	RF	.00
C1227	106-04103-0057		CAP CH 10KX7R/100V	EA	1.00
C1228	106-04103-0057		CAP CH 10KX7R/100V	EA	1.00
CR1201	007-05117-0015		DIO Z 13V SOT	EA	1.00
CR1202	007-06222-0000		DIO DAN202K	EA	1.00
CR1203	007-06033-0000		DIO G 1N270	EA	1.00
CR1204	007-06223-0000		DIO DUAL SWITCHING	EA	1.00
CR1205	007-06222-0000		DIO DAN202K	EA	1.00
CR1206	007-06222-0000		DIO DAN202K	EA	1.00
F1201	036-00057-0008		FUSE 275 125V 3A	EA	1.00
I1201	120-03053-0009		LM358D DUAL OP AMP	EA	1.00
P1201	155-02499-0000		AUDIO CABLE ASSY	EA	1.00
Q1201	007-00467-0000		XSTR S NPN MMBTA06	EA	1.00
Q1202	007-00535-0000		XSTR JFET MMBF4393	EA	1.00
Q1203	007-00187-0002		XSTR SOT-23 2N5089	EA	1.00
Q1204	007-00187-0002		XSTR SOT-23 2N5089	EA	1.00
Q1205	007-00078-0001		XSTR S NPN 2N3417	EA	1.00
Q1206	007-00238-0000		XSTR S PNP FPN4917	EA	1.00
Q1207	007-00930-0000		XSTR S PNPMJE15029	EA	1.00
Q1208	007-00525-0000		XSTR PWR MJE15028	EA	1.00
R1201	139-05110-0000		RES CH 511 EW 1%	EA	1.00
R1202	139-05110-0000		RES CH 511 EW 1%	EA	1.00
R1203	139-05110-0000		RES CH 511 EW 1%	EA	1.00
R1204	139-01622-0000		RES CH 16.2K EW 1%	EA	1.00
R1205	139-01622-0000		RES CH 16.2K EW 1%	EA	1.00
R1206	139-01622-0000		RES CH 16.2K EW 1%	EA	1.00
R1207	139-02001-0000		RES CHIP 2K EW 1%	EA	1.00
R1208	999-09999-0096		RESERVED	RF	.00
R1209	130-05000-0025		RES CHIP 0 EW CJ	EA	1.00
R1210	139-01301-0000		RES CH 1.30K EW 1%	EA	1.00
R1211	139-01003-0000		RES CHIP 100KEW1%	EA	1.00
R1212	139-09092-0000		RES CHIP 90.9KEW1%	EA	1.00
R1213	139-05110-0000		RES CH 511 EW 1%	EA	1.00
R1214	139-05112-0000		RES CHIP 51.1K 1%	EA	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000
R1215	139-02742-0000		RES CHIP 27.4KEW1%	EA	1.00
R1216	139-04320-0000		RES CH 432 EW 1%	EA	1.00
R1217	139-06811-0000		RES CH 6.81K EW 1%	EA	1.00
R1218	139-01002-0000		RES CHIP 10K EW 1%	EA	1.00
R1219	139-01003-0000		RES CHIP 100KEW1%	EA	1.00
R1220	139-02001-0000		RES CHIP 2K EW 1%	EA	1.00
R1221	139-02001-0000		RES CHIP 2K EW 1%	EA	1.00
R1222	139-03010-0000		RES CHIP 301 EW 1%	EA	1.00
R1223	139-02210-0000		RES CH 221 EW 1%	EA	1.00
R1224	139-01000-0000		RES CHIP 10O EW 1%	EA	1.00
R1225	139-01301-0000		RES CH 1.30K EW 1%	EA	1.00
R1226	139-01001-0000		RES CHIP 1K EW 1%	EA	1.00
R1227	139-01001-0000		RES CHIP 1K EW 1%	EA	1.00
R1228	139-01001-0000		RES CHIP 1K EW 1%	EA	1.00
R1229	139-03011-0000		RES CH 3.01K EW 1%	EA	1.00
R1230	139-04750-0000		RES CH 475 EW 1%	EA	1.00
R1231	139-01000-0000		RES CHIP 10O EW 1%	EA	1.00
R1232	132-05051-0000		RES WW .15 2W 5%	EA	1.00
R1233	132-05051-0000		RES WW .15 2W 5%	EA	1.00
R1234	139-04750-0000		RES CH 475 EW 1%	EA	1.00
R1235	139-01000-0000		RES CHIP 10O EW 1%	EA	1.00
R1236	139-04750-0000		RES CH 475 EW 1%	EA	1.00
R1237	139-01001-0000		RES CHIP 1K EW 1%	EA	1.00
R1238	132-00106-0035		RES WW 22 2.25W 5%	EA	1.00
	008-00038-0001		TERM BIFUR .084L	EA	2.00
	009-07797-0000		AUDIO AMP BOARD	EA	1.00
	016-01040-0000		COATING TYPE AR	AR	1.00
	047-08604-0002		HEATSINK AUDIO BD	EA	1.00
	076-00741-0008		STANDOFF .050	EA	3.00
	089-02140-0000		NUT LOCK 4-40	EA	4.00
	091-00109-0000		CABLE TIE	EA	2.00
	091-00156-0000		BUSHING	EA	2.00
	091-00606-0000		INSULATOR XSTR SIL	EA	2.00

THIS PAGE CONTAINS OLD REVISION BOMS, FOR REFERENCE ONLY.

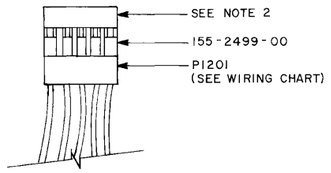
200-07797-0000 AUDIO AMP BOARD REV 8 KY 0096A KY 0097A

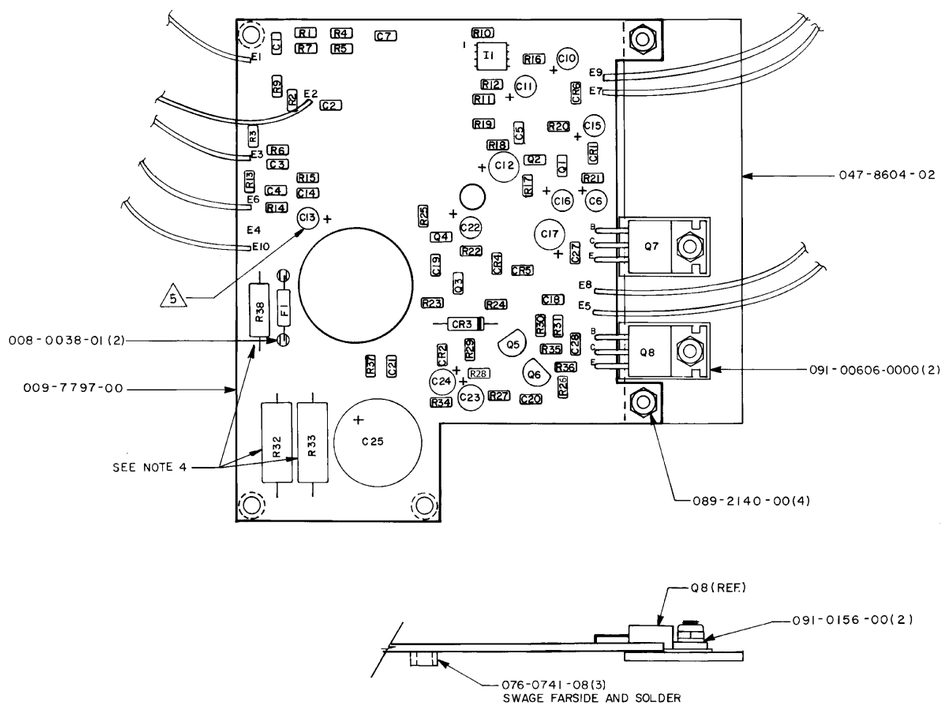
SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000
	008-00038-0001	TERM BIFUR .084L		EA	2.00
	009-07797-0000	AUDIO AMP BOARD		EA	1.00
	016-01040-0000	COATING TYPE AR		AR	1.00
	047-08604-0002	HEATSINK AUDIO BD	A	EA	1.00
	076-00741-0008	STANDOFF .050		EA	3.00
	089-02140-0000	NUT LOCK 4-40		EA	4.00
	091-00109-0000	CABLE TIE .234		EA	2.00
	091-00156-0000	BUSHING		EA	2.00
	091-00286-0002	INSUL XSTR .687		EA	2.00
C 1201	106-04121-0026	CAPCH120PFNPO/100V		EA	1.00
C 1202	106-04121-0026	CAPCH120PFNPO/100V		EA	1.00
C 1203	106-04121-0026	CAPCH120PFNPO/100V		EA	1.00
C 1204	106-04121-0026	CAPCH120PFNPO/100V		EA	1.00
C 1205	106-04121-0026	CAPCH120PFNPO/100V		EA	1.00
C 1206	097-00108-0015	CAP EL 10UF 35V		EA	1.00
C 1207	106-04103-0057	CAP CH 10KX7R/100V		EA	1.00
C 1208	999-09999-0096	RESERVED		RF	X.
C 1209	999-09999-0096	RESERVED		RF	X.
C 1210	097-00108-0021	CAP EL 1.0UF 50V		EA	1.00
C 1211	097-00108-0007	CAP EL 10UF 16V		EA	1.00
C 1212	097-00108-0013	CAP EL 33UF		EA	1.00
C 1213	097-00108-0021	CAP EL 1.0UF 50V		EA	1.00
C 1214	106-04471-0026	CH 470PF NPO/100V		EA	1.00
C 1215	097-00108-0014	CAP EL 4.7UF 35V		EA	1.00
C 1216	097-00108-0015	CAP EL 10UF 35V		EA	1.00
C 1217	097-00108-0013	CAP EL 33UF		EA	1.00
C 1218	106-04471-0026	CH 470PF NPO/100V		EA	1.00
C 1219	106-04103-0057	CAP CH 10KX7R/100V		EA	1.00
C 1220	106-04222-0057	CAPCH2200PFX7R/100		EA	1.00
C 1221	106-04102-0026	CH 1KPF NPO/100V		EA	1.00
C 1222	097-00108-0007	CAP EL 10UF 16V		EA	1.00
C 1223	097-00108-0008	CAP EL 22UF		EA	1.00
C 1224	097-00108-0008	CAP EL 22UF		EA	1.00
C 1225	097-00149-0002	470UF 50V EL CAP		EA	1.00
C 1226	999-09999-0098	NOT USED		RF	X.
C 1227	106-04103-0057	CAP CH 10KX7R/100V		EA	1.00
C 1228	106-04103-0057	CAP CH 10KX7R/100V		EA	1.00
CR 1201	007-05117-0015	DIO Z 13V SOT		EA	1.00
CR 1202	007-06222-0000	DIO DAN202K		EA	1.00
CR 1203	007-06033-0000	DIO G 1N270		EA	1.00
CR 1204	007-06223-0000	DIO DA204K		EA	1.00
CR 1205	007-06222-0000	DIO DAN202K		EA	1.00
CR 1206	007-06222-0000	DIO DAN202K		EA	1.00
F 1201	036-00057-0008	FUSE 275 125V 3A		EA	1.00
I 1201	120-03053-0009	LM358D DUAL OP AMP		EA	1.00
P 1201	155-02499-0000	AUDIO CABLE ASSY		EA	1.00
Q 1201	007-00467-0000	XSTR S NPN MMBTA06		EA	1.00
Q 1202	007-00535-0000	XSTR JFET MMBF4393		EA	1.00
Q 1203	007-00187-0002	XSTR SOT-23 2N5089		EA	1.00
Q 1204	007-00187-0002	XSTR SOT-23 2N5089		EA	1.00
Q 1205	007-00078-0001	XSTR S NPN 2N3417		EA	1.00
Q 1206	007-00238-0000	XSTR S PNP FPN4917		EA	1.00
Q 1207	007-00930-0000	XSTR S PNPMJE15029		EA	1.00
Q 1208	007-00525-0000	XSTR PWR MJE15028		EA	1.00

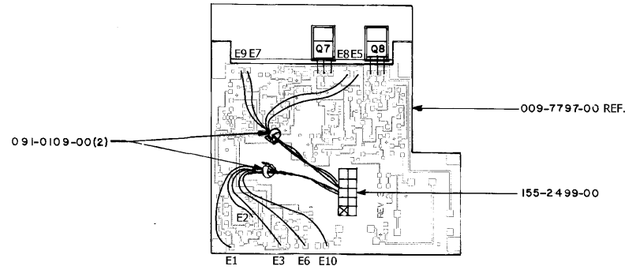
THIS PAGE CONTAINS OLD REVISION BOMS, FOR REFERENCE ONLY.

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000
R 1201	139-05110-0000	RES CH 511 EW 1%		EA	1.00
R 1202	139-05110-0000	RES CH 511 EW 1%		EA	1.00
R 1203	139-05110-0000	RES CH 511 EW 1%		EA	1.00
R 1204	139-01622-0000	RES CH 16.2K EW 1%		EA	1.00
R 1205	139-01622-0000	RES CH 16.2K EW 1%		EA	1.00
R 1206	139-01622-0000	RES CH 16.2K EW 1%		EA	1.00
R 1207	139-02001-0000	RES CHIP 2K EW 1%		EA	1.00
R 1208	999-09999-0096	RESERVED		RF	X.
R 1209	130-05000-0025	RES CHIP 0 EW CJ		EA	1.00
R 1210	139-01301-0000	RES CH 1.30K EW 1%		EA	1.00
R 1211	139-01003-0000	RES CHIP 100KEW1%		EA	1.00
R 1212	139-09092-0000	RES CHIP 90.9KEW1%		EA	1.00
R 1213	139-05110-0000	RES CH 511 EW 1%		EA	1.00
R 1214	139-05112-0000	RES CHIP 51.1K 1%		EA	1.00
R 1215	139-02742-0000	RES CHIP 27.4KEW1%		EA	1.00
R 1216	139-04320-0000	RES CH 432 EW 1%		EA	1.00
R 1217	139-06811-0000	RES CH 6.81K EW 1%		EA	1.00
R 1218	139-01002-0000	RES CHIP 10K EW 1%		EA	1.00
R 1219	139-01003-0000	RES CHIP 100KEW1%		EA	1.00
R 1220	139-02001-0000	RES CHIP 2K EW 1%		EA	1.00
R 1221	139-02001-0000	RES CHIP 2K EW 1%		EA	1.00
R 1222	139-03010-0000	RES CHIP 301 EW 1%		EA	1.00
R 1223	139-02210-0000	RES CH 221 EW 1%		EA	1.00
R 1224	139-01000-0000	RES CHIP 100 EW 1%		EA	1.00
R 1225	139-01301-0000	RES CH 1.30K EW 1%		EA	1.00
R 1226	139-01001-0000	RES CHIP 1K EW 1%		EA	1.00
R 1227	139-01001-0000	RES CHIP 1K EW 1%		EA	1.00
R 1228	139-01001-0000	RES CHIP 1K EW 1%		EA	1.00
R 1229	139-03011-0000	RES CH 3.01K EW 1%		EA	1.00
R 1230	139-04750-0000	RES CH 475 EW 1%		EA	1.00
R 1231	139-01000-0000	RES CHIP 100 EW 1%		EA	1.00
R 1232	132-05051-0000	RES WW .15 2W 5%		EA	1.00
R 1233	132-05051-0000	RES WW .15 2W 5%		EA	1.00
R 1234	139-04750-0000	RES CH 475 EW 1%		EA	1.00
R 1235	139-01000-0000	RES CHIP 100 EW 1%		EA	1.00
R 1236	139-04750-0000	RES CH 475 EW 1%		EA	1.00
R 1237	139-01001-0000	RES CHIP 1K EW 1%		EA	1.00
R 1238	132-00106-0035	RES WW 22 2.25W 5%		EA	1.00

NOTE: ADD 1200 TO ALL REFERENCE DESIGNATORS, EXCEPT P1201.
I.E. R2 = R1202



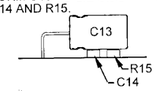


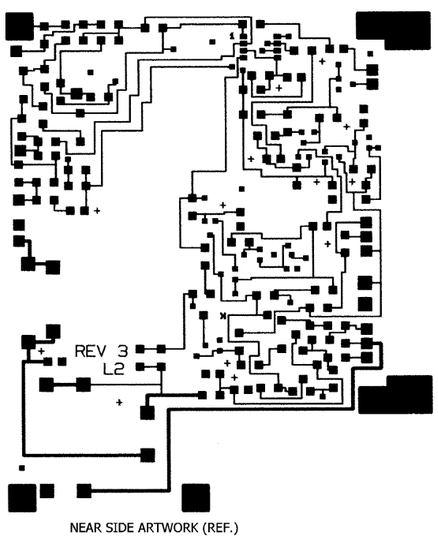


WIRING CHART		
FROM	TO	COLOR
P1201 PIN 1	PLUGGED	——
PIN 2	E1	YELLOW
PIN 3	E2	GREEN
PIN 4	E3	VIOLET
PIN 5	E8	RED
PIN 6	E7	GRAY
PIN 7	E6	WHITE
PIN 8	E9	BROWN
PIN 9	E10	ORANGE
PIN 10	E5	BLACK

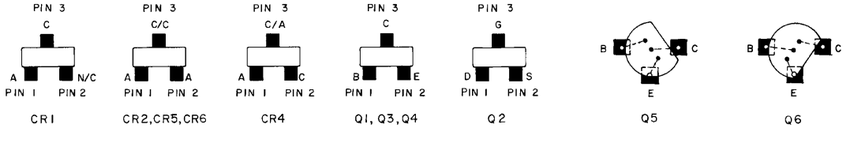
NOTES:

1. PRIOR TO POST COATING BOTH SIDES OF P.C. BOARD WITH KPN 016-1040-00, MASK OFF THE FOLLOWING; ALL MOUNTING AREAS, Q7, Q8, HEATSINK 047-8604-02, F1.
2. P1201 CONNECTS TO J101 OF MAIN BOARD ASSEMBLY 200-7799-XX.
3. MAINTAIN MAXIUM LEAD TRIM OF 0.030 INCHES.
4. R32, R33, AND R38 TO BE INSTALLED WITH A CLEARANCE BETWEEN COMPONENT BODY AND P.C. BOARD.
5. FORM C13 TO LIE SIDEWAYS ON C14 AND R15.





NEAR SIDE ARTWORK (REF.)

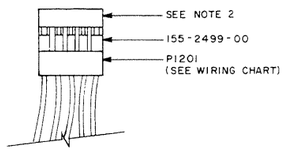


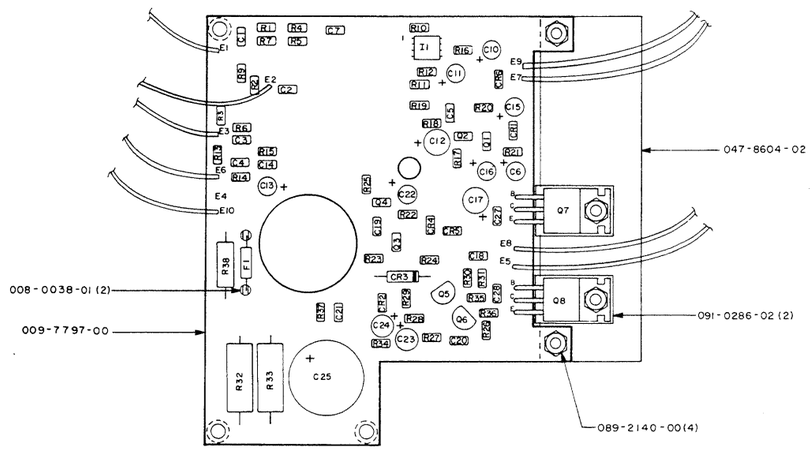
Dwg 300-07797-0000 Rev AB

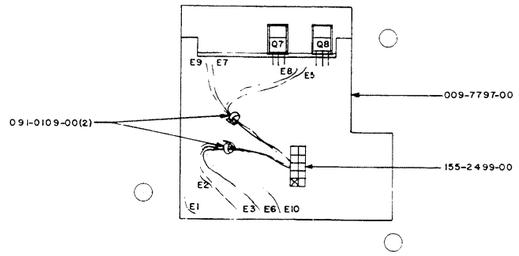
REF. B/M: 200-7797-00

FIGURE 6-13 Audio Amplifier Board Assembly (Dwg No 300-07797-0000, Rev AB)

NOTE: ADD 1200 TO ALL REFERENCE DESIGNATORS, EXCEPT P1201.
I.E. R2 = R1202



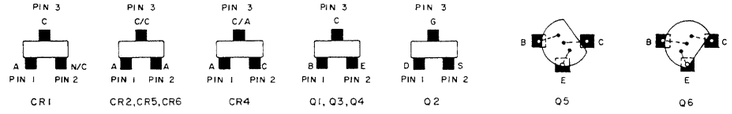




WIRING CHART		
FROM	TO	COLOR
P1201 PIN 1	PLUGGED	——
PIN 2	E1	YELLOW
PIN 3	E2	GREEN
PIN 4	E3	VIOLET
PIN 5	E8	RED
PIN 6	E7	GRAY
PIN 7	E6	WHITE
PIN 8	E9	BROWN
PIN 9	E10	ORANGE
PIN 10	E5	BLACK

NOTES:

1. PRIOR TO POST COATING BOTH SIDES OF P.C. BOARD WITH KPN 016-1040-00, MASK OFF THE FOLLOWING; ALL MOUNTING AREAS, Q7, Q8, HEATSINK 047-8604-02.
2. P1201 CONNECTS TO J101 OF MAIN BOARD ASSEMBLY 200-7799-XX.
3. MAINTAIN MAXIUM LEAD TRIM OF 0.030 INCHES.



Dwg 300-07797-0000 Rev 2

FIGURE 6-13A Audio Amplifier Board Assembly (Dwg No 300-07797-0000, Rev 2)

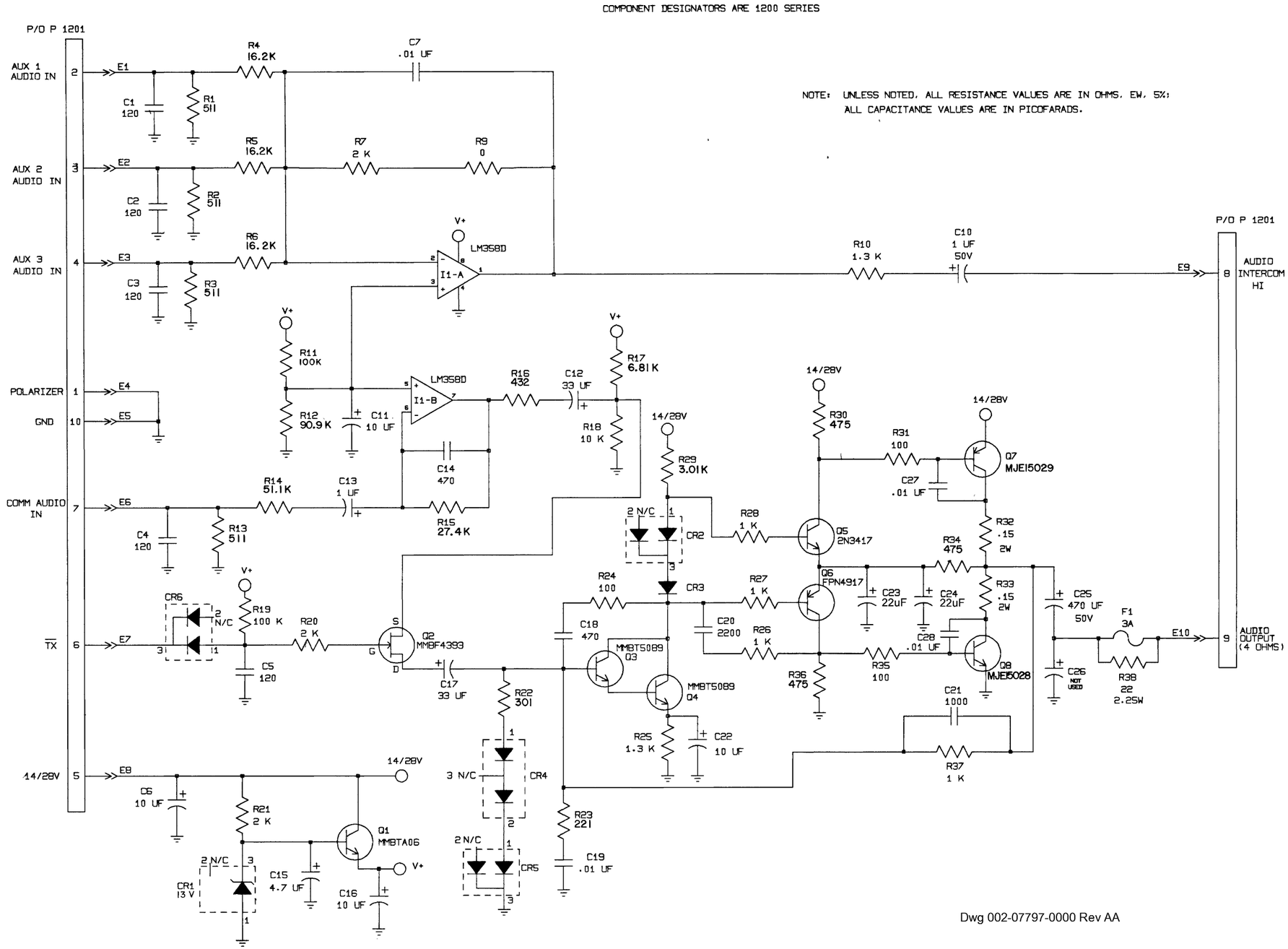


FIGURE 6-14 Audio Amplifier Board Schematic
(Dwg No 002-07797-0000, Rev AA)

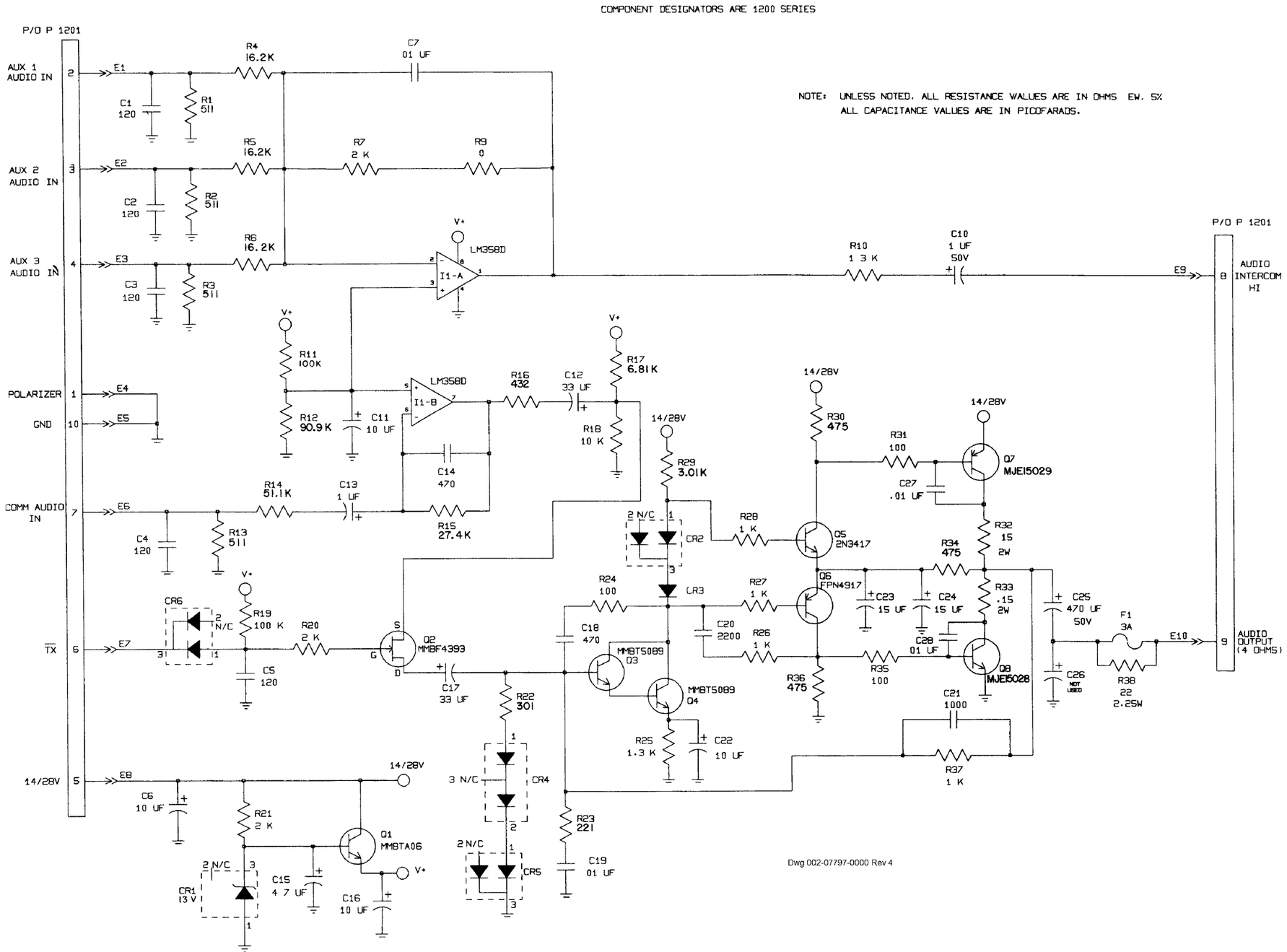


FIGURE 6-14A Audio Amplifier Board Schematic (Dwg No 002-07797-0000, Rev 4)

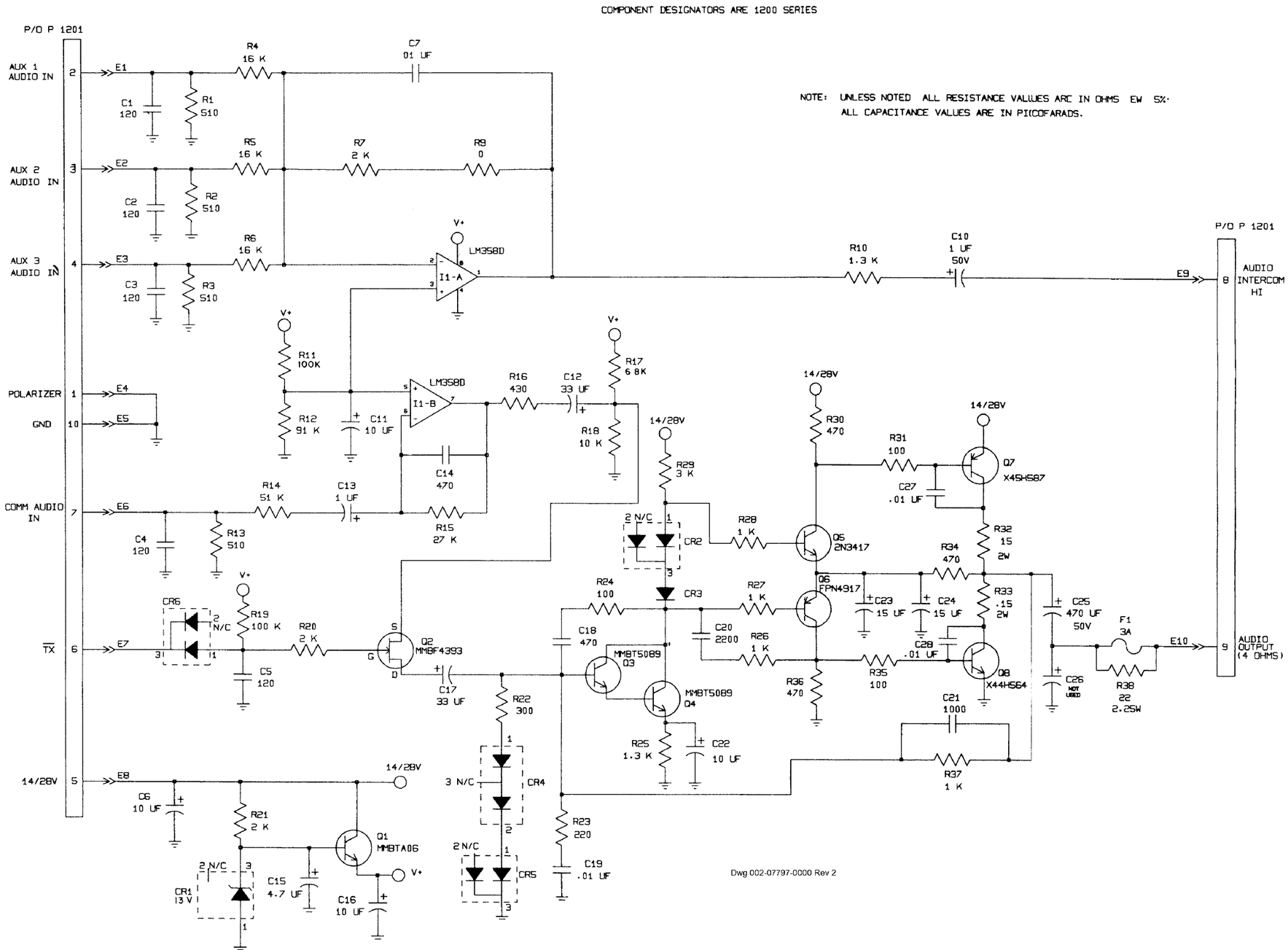


FIGURE 6-14B Audio Amplifier Board Schematic (Dwg No 002-07797-0000, Rev 2)

6.4.10 Main Board

200-07799-0000 97A MAIN BD 25KHZ REV AB
200-07799-0001 96A MAIN BD 25KHZ REV AB
200-07799-0002 97A MAIN BD 50KHZ REV AA
200-07799-0099 COMMON BOM REV CK

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000	-0001	-0002	-0099
C101	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C102	106-05399-0020		CH 3.9PF NPO/100V	EA	.	.	.	1.00
C103	106-05479-0020		CH 4.7PF NPO/100V	EA	.	.	.	1.00
C104	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C105	106-04471-0026		CH 470PF NPO/100V	EA	.	.	.	1.00
C107	106-04221-0026		CAP CH220PFNPO/100	EA	.	.	.	1.00
C108	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C109	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C110	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C111	106-04682-0057		CAPCH6800PFX7R/100	EA	.	.	.	1.00
C112	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C113	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C114	106-05689-0020		CH 6.8PF NPO/100V	EA	.	.	.	1.00
C115	106-05030-0020		CH 3.0PF NPO/100V	EA	.	.	.	1.00
C116	106-04471-0026		CH 470PF NPO/100V	EA	.	.	.	1.00
C117	106-04471-0026		CH 470PF NPO/100V	EA	.	.	.	1.00
C118	106-05060-0020		CH 6PF NPO 100V	EA	.	.	.	1.00
C119	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
C120	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C121	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C122	106-00146-1R2B		CAP PORC 1.2PF 500	EA	1.00	1.00	.	.
C123	106-00146-1R2B		CAP PORC 1.2PF 500	EA	1.00	1.00	.	.
C124	106-00146-1R2B		CAP PORC 1.2PF 500	EA	1.00	1.00	.	.
C125	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C126	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C127	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C128	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C129	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C130	106-04392-0057		CAPCH3900PFX7R/100	EA	.	.	.	1.00
C131	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C132	106-04470-0026		CAPCH 47PFNPO/100V	EA	.	.	.	1.00
C133	106-04470-0026		CAPCH 47PFNPO/100V	EA	.	.	.	1.00
C134	102-00085-0000		CAP VAR SURF MTG	EA	.	.	.	1.00
C135	097-00108-0020		CAP EL 0.47UF	EA	.	.	.	1.00
C136	106-05020-0020		CH 2PF NPO 100V	EA	.	.	.	1.00
C137	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C138	106-04103-0057		CAP CH 10KX7R/100V	EA	.	.	.	1.00
C139	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C140	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C141	106-04103-0057		CAP CH 10KX7R/100V	EA	1.00	1.00	1.00	.
C142	106-04103-0057		CAP CH 10KX7R/100V	EA	1.00	1.00	1.00	.
C143	106-04103-0057		CAP CH 10KX7R/100V	EA	1.00	1.00	1.00	.
C144	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C145	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C146	106-04220-0026		CH 22PF NPO/100V	EA	.	.	.	1.00
C147	106-05020-0020		CH 2PF NPO 100V	EA	.	.	.	1.00
C148	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C149	106-04820-0026		CAP CH82PFNPO/100V	EA	.	.	.	1.00
C150	106-04330-0026		CH 33PF NPO/100V	EA	.	.	.	1.00
C151	097-00104-0036		CAP AL 47UF 25V	EA	.	.	.	1.00
C152	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C153	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C154	106-04220-0026		CH 22PF NPO/100V	EA	.	.	.	1.00
C155	106-04470-0026		CAPCH 47PFNPO/100V	EA	.	.	.	1.00
C156	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C157	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000	-0001	-0002	-0099
C158	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C159	106-04151-0026		CH 150PF NPO/100V	EA	.	.	.	1.00
C160	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C161	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C162	106-04154-0078		CAP CH 150KZ5U/50V	EA	.	.	.	1.00
C163	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C164	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C165	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C166	096-01082-0057		CAP TN 1UF 35V	EA	.	.	.	1.00
C167	097-00149-0000		CAP AL 2200UF 25V	EA	1.00	.	1.00	.
C167	097-00149-0001		CAP AL 1000UF 50V	EA	.	1.00	.	.
C168	097-00109-0006		CAP EL 100UF 16V	EA	.	.	.	1.00
C169	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C170	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C171	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C172	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C173	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C174	111-00001-0068		CAP CR .068UF 50V	EA	.	.	.	1.00
C175	111-00001-0003		CAP CR .22UF 50V	EA	.	.	.	1.00
C176	111-00001-0003		CAP CR .22UF 50V	EA	.	.	.	1.00
C177	097-00108-0018		CAP EL 0.22UF	EA	.	.	.	1.00
C178	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C179	097-00108-0014		CAP EL 4.7UF 35V	EA	.	.	.	1.00
C180	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C181	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C182	097-00108-0023		CAP EL 3.3UF	EA	.	.	.	1.00
C183	097-00108-0020		CAP EL 0.47UF	EA	.	.	.	1.00
C184	097-00109-0006		CAP EL 100UF 16V	EA	.	.	.	1.00
C185	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C186	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C187	097-00109-0006		CAP EL 100UF 16V	EA	.	.	.	1.00
C188	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C189	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C190	097-00109-0006		CAP EL 100UF 16V	EA	.	.	.	1.00
C191	097-00108-0022		CAP EL 2.2UF	EA	.	.	.	1.00
C192	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
C193	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C194	111-00001-0001		CAP CR .1UF 50V	EA	.	.	.	1.00
C195	097-00104-0036		CAP AL 47UF 25V	EA	.	.	.	1.00
C196	097-00109-0006		CAP EL 100UF 16V	EA	.	.	.	1.00
C197	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C198	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C199	097-00104-0036		CAP AL 47UF 25V	EA	.	.	.	1.00
C200	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C201	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C202	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C203	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C204	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C205	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C206	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C207	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C208	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C209	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C210	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C211	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C212	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C213	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C214	097-00104-0036		CAP AL 47UF 25V	EA	.	.	.	1.00
C215	097-00108-0015		CAP EL 10UF 35V	EA	.	1.00	.	.
C216	097-00104-0036		CAP AL 47UF 25V	EA	.	.	.	1.00
C217	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C218	106-04222-0057		CAPCH2200PFX7R/100	EA	.	.	.	1.00
C219	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000	-0001	-0002	-0099
C220	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C221	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C222	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C223	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
C224	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C225	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C226	106-04331-0026		CAPCH330PFNPO/100V	EA	.	.	.	1.00
C227	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C228	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C229	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C230	111-00001-0006		CAP CR .47UF 50V	EA	.	.	.	1.00
C231	106-04221-0026		CAP CH220PFNPO/100	EA	.	.	.	1.00
C232	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C233	106-04101-0026		CH 100PF NPO/100V	EA	.	.	.	1.00
C235	111-00001-0068		CAP CR .068UF 50V	EA	1.00	1.00	1.00	.
C236	111-00001-0026		CAP CR .33UF 50V	EA	.	.	.	1.00
C237	096-01082-0040		CAP TN 3.3UF 35V	EA	.	.	.	1.00
C238	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C239	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C240	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
C241	106-04471-0026		CH 470PF NPO/100V	EA	.	.	.	1.00
C242	106-04471-0026		CH 470PF NPO/100V	EA	.	.	.	1.00
C243	106-04471-0026		CH 470PF NPO/100V	EA	.	.	.	1.00
C244	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C245	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C246	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C247	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C248	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C249	106-04390-0026		CH 39PF NPO/100V	EA	.	.	.	1.00
C250	097-00108-0023		CAP EL 3.3UF	EA	.	.	.	1.00
C251	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C252	106-04391-0026		CH 390PF NPO/100V	EA	.	.	.	1.00
C253	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C254	106-04270-0026		CH 27PF NPO/100V	EA	1.00	1.00	1.00	.
C255	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C256	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C257	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C258	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C259	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C260	106-04103-0057		CAP CH 10KX7R/100V	EA	.	.	.	1.00
C261	106-04821-0016		CAP CH820PFNPO/50V	EA	.	.	.	1.00
C262	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C263	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C264	106-04821-0016		CAP CH820PFNPO/50V	EA	.	.	.	1.00
C265	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C267	097-00104-0036		CAP AL 47UF 25V	EA	.	.	.	1.00
C268	097-00104-0036		CAP AL 47UF 25V	EA	.	.	.	1.00
C269	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C270	097-00104-0036		CAP AL 47UF 25V	EA	.	.	.	1.00
C271	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C272	106-04220-0026		CH 22PF NPO/100V	EA	.	.	.	1.00
C273	106-04829-0020		CAP CH 8.2 NPO/100	EA	.	.	.	1.00
C274	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C281	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C282	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C284	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C285	096-01082-0002		CAP TN 1UF 35V	EA	.	.	.	1.00
C286	106-04221-0026		CAP CH220PFNPO/100	EA	.	.	.	1.00
C287	106-04331-0026		CAPCH330PFNPO/100V	EA	.	.	.	1.00
CR101	007-04020-0005		MS5 VARACTOR DIODE	EA	.	.	.	1.00
CR102	007-06181-0000		DIO DUAL MMBD2835	EA	.	.	.	1.00
CR104	007-06223-0000		DIO DUAL SWITCHING	EA	.	.	.	1.00
CR105	007-06222-0000		DIO DAN202K	EA	.	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000	-0001	-0002	-0099
CR106	007-06222-0000		DIO DAN202K	EA	.	.	.	1.00
CR107	007-06222-0000		DIO DAN202K	EA	.	.	.	1.00
CR108	007-05039-0002		DIO Z 40.2V	EA	.	.	.	1.00
CR109	007-06222-0000		DIO DAN202K	EA	.	.	.	1.00
CR110	007-06222-0000		DIO DAN202K	EA	.	.	.	1.00
CR111	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
CR112	007-06223-0000		DIO DUAL SWITCHING	EA	.	.	.	1.00
CR113	007-06222-0000		DIO DAN202K	EA	.	.	.	1.00
CR114	007-06181-0000		DIO DUAL MMBD2835	EA	.	.	.	1.00
CR115	007-05117-0017		DIO Z 16V SOT	EA	1.00	1.00	1.00	.
CR116	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
CR117	007-06228-0000		RF SWITCHING DIODE	EA	.	.	.	1.00
CR118	007-05117-0023		DIO Z 30V SOT	EA	.	.	.	1.00
CR119	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
CR120	007-06222-0000		DIO DAN202K	EA	.	.	.	1.00
CR121	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
CR122	007-05117-0007		DIO Z 6.2V SOT	EA	.	.	.	1.00
CR123	007-05117-0007		DIO Z 6.2V SOT	EA	.	1.00	.	.
CR124	007-06105-0000		DIO HV FDH444	EA	.	.	.	1.00
CR125	007-06222-0000		DIO DAN202K	EA	.	.	.	1.00
F101	036-00014-0000		FUSE 3AG 250V 10A	EA	.	.	.	1.00
FL101	017-00069-0000		FLTR XTAL 8P	EA	1.00	1.00	.	.
FL101	017-00076-0000		FLTR XTAL 11.4MHZ	EA	.	.	1.00	.
I101	120-03020-0001		IC IF AMP SO	EA	.	.	.	1.00
I102	120-03020-0001		IC IF AMP SO	EA	.	.	.	1.00
I103	120-03317-0000		SYNTHESIZER CX7925	EA	1.00	1.00	1.00	.
I104	120-03094-0032		IC LM340LAZ-5.0	EA	.	.	.	1.00
I105	120-03053-0009		LM358D DUAL OP AMP	EA	.	.	.	1.00
I106	120-03053-0009		LM358D DUAL OP AMP	EA	.	.	.	1.00
I107	120-03127-0011		IC LM2903 SO PKG	EA	.	.	.	1.00
I108	120-03026-0000		IC MC7805CT	EA	.	.	.	1.00
I109	120-03094-0032		IC LM340LAZ-5.0	EA	.	.	.	1.00
I110	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
I111	120-03053-0009		LM358D DUAL OP AMP	EA	.	.	.	1.00
I112	120-03190-0000		AUDIO AMP LM1877N-	EA	.	.	.	1.00
I113	120-03053-0009		LM358D DUAL OP AMP	EA	.	.	.	1.00
L101	019-02312-0060		IDCTR V 2.5T	EA	.	.	.	1.00
L102	019-02084-0024		CH 1.5UH 5%	EA	.	.	.	1.00
L103	019-02312-0060		IDCTR V 2.5T	EA	.	.	.	1.00
L104	019-02084-0027		CH 1.8UH 10%	EA	.	.	.	1.00
L105	019-02312-0060		IDCTR V 2.5T	EA	.	.	.	1.00
L106	019-02084-0034		CH 3.9UH 5%	EA	.	.	.	1.00
L107	019-02312-0060		IDCTR V 2.5T	EA	.	.	.	1.00
L108	019-02084-0021		CH 1UH 10%	EA	.	.	.	1.00
L109	019-02209-0000		CHOKE FILTER	EA	.	.	.	1.00
L110	019-08078-0000		COIL TUN 20MH	EA	.	.	.	1.00
L111	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L112	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L113	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L114	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00	.	.
L115	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L116	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L117	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L118	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00	.	.
L119	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
L120	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L121	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L122	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L123	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L124	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L125	013-00028-0001		FERR BEAD W/LEAD	EA	1.00	.	1.00	.
L126	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00	.	.
L127	013-00028-0001		FERR BEAD W/LEAD	EA	1.00	.	1.00	.

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000	-0001	-0002	-0099
L128	013-00028-0001		FERR BEAD W/LEAD	EA	1.00	.	1.00	.
L129	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
L130	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L132	019-02084-0027		CH 1.8UH 10%	EA	.	.	.	1.00
L133	019-02084-0021		CH 1UH 10%	EA	.	.	.	1.00
L134	019-02099-0003		CH .047UH 5%	EA	.	.	.	1.00
L135	019-02084-0000		CH .15UH 5%	EA	.	.	.	1.00
L136	019-02084-0005		CH .22UH 10%	EA	.	.	.	1.00
L137	019-02084-0009		CH .33UH 10%	EA	.	.	.	1.00
Q101	007-00254-0001		XSTR S PNP SOT-23	EA	.	.	.	1.00
Q102	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
Q103	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
Q104	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q105	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q106	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q107	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q108	007-00579-0000		XSTR 2SK241	EA	.	.	.	1.00
Q109	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q110	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q111	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q112	007-00187-0002		XSTR SOT-23 2N5089	EA	.	.	.	1.00
Q114	007-00467-0000		XSTR S NPN MMBTA06	EA	.	.	.	1.00
Q115	007-00467-0000		XSTR S NPN MMBTA06	EA	.	.	.	1.00
Q116	007-00813-0000		XSTR NPN S MMBTA14	EA	.	.	.	1.00
Q117	007-00187-0002		XSTR SOT-23 2N5089	EA	.	.	.	1.00
Q118	007-00280-0001		XSTR E175/J175	EA	.	.	.	1.00
Q119	007-00280-0001		XSTR E175/J175	EA	.	.	.	1.00
Q120	007-00280-0001		XSTR E175/J175	EA	.	.	.	1.00
Q121	007-00813-0000		XSTR NPN S MMBTA14	EA	.	.	.	1.00
Q123	007-00078-0001		XSTR S NPN 2N3417	EA	.	.	.	1.00
Q126	007-00250-0000		XSTR 2N4427	EA	.	.	.	1.00
Q127	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q128	007-00179-0001		XSTR SOT23 2N3904	EA	.	.	.	1.00
Q129	007-00179-0001		XSTR SOT23 2N3904	EA	.	.	.	1.00
Q131	007-00187-0002		XSTR SOT-23 2N5089	EA	.	.	.	1.00
Q132	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q133	007-00179-0001		XSTR SOT23 2N3904	EA	.	.	.	1.00
Q134	007-00187-0002		XSTR SOT-23 2N5089	EA	.	.	.	1.00
Q135	007-00537-0000		XSTR PNP MMBT5087	EA	.	.	.	1.00
Q136	007-00537-0000		XSTR PNP MMBT5087	EA	.	.	.	1.00
Q137	007-00187-0002		XSTR SOT-23 2N5089	EA	.	.	.	1.00
Q138	007-00179-0001		XSTR SOT23 2N3904	EA	.	.	.	1.00
Q139	007-00383-0004		SOT-23 2N2222A XST	EA	.	.	.	1.00
Q140	007-00187-0002		XSTR SOT-23 2N5089	EA	.	.	.	1.00
Q141	007-00187-0002		XSTR SOT-23 2N5089	EA	.	.	.	1.00
R1001	139-02432-0000		RES CH 24.3K EW 1%	EA	.	.	.	1.00
R1002	139-03011-0000		RES CH 3.01K EW 1%	EA	.	.	.	1.00
R1003	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R1004	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R1005	139-05110-0000		RES CH 511 EW 1%	EA	.	.	.	1.00
R1006	139-00200-0000		RES CH 20.0 EW 1%	EA	.	.	.	1.00
R1007	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R1009	133-00351-0004		POTENTIOMETER 10K	EA	.	.	.	1.00
R101	130-05000-0025		RES CHIP 0 EW CJ	EA	.	.	.	1.00
R1010	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R1011	139-02211-0000		RES CH 2.21K EW 1%	EA	.	.	.	1.00
R1012	139-08661-0000		RES CH 8.66K EW 1%	EA	.	.	.	1.00
R1013	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R1014	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R1015	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R1016	139-02210-0000		RES CH 221 EW 1%	EA	1.00	1.00	1.00	.
R1017	139-01211-0000		RES CHIP1.21KEW1%	EA	.	1.00	.	.
R1018	130-05000-0025		RES CHIP 0 EW CJ	EA	1.00	.	1.00	.

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000	-0001	-0002	-0099
R1019	139-00750-0000		RES CH 75.0 EW 1%	EA	.	.	.	1.00
R102	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R1020	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R1021	130-05027-0033		RES CH 2.7 QW 5%	EA	.	.	.	1.00
R1022	130-05000-0025		RES CHIP 0 EW CJ	EA	.	.	.	1.00
R1023	130-05027-0033		RES CH 2.7 QW 5%	EA	.	.	.	1.00
R1024	130-05000-0025		RES CHIP 0 EW CJ	EA	.	.	.	1.00
R1025	130-05000-0025		RES CHIP 0 EW CJ	EA	.	.	.	1.00
R103	139-01211-0000		RES CHIP1.21KEW1%	EA	.	.	.	1.00
R104	139-04750-0000		RES CH 475 EW 1%	EA	.	1.00	.	.
R105	139-02671-0000		RES CH 2.67K EW 1%	EA	.	.	.	1.00
R106	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R107	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R108	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R109	139-00475-0000		RES CH 47.5 EW 1%	EA	.	.	.	1.00
R110	139-05622-0000		RES CH 56.2K EW 1%	EA	.	.	.	1.00
R111	139-04322-0000		RES CHIP 43.2KEW1%	EA	.	.	.	1.00
R112	139-05622-0000		RES CH 56.2K EW 1%	EA	.	.	.	1.00
R113	139-02000-0000		RES CH 200 EW 1%	EA	.	.	.	1.00
R114	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R115	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R116	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R117	139-05622-0000		RES CH 56.2K EW 1%	EA	.	.	.	1.00
R118	139-05112-0000		RES CHIP 51.1K 1%	EA	.	.	.	1.00
R119	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R120	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R121	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R122	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R123	139-00100-0000		RES CHIP 10 EW 1%	EA	.	.	.	1.00
R124	139-01212-0000		RES CHIP 12.1K1%EW	EA	.	.	.	1.00
R125	139-00100-0000		RES CHIP 10 EW 1%	EA	.	.	.	1.00
R126	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	.	.	1.00
R127	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R128	139-01101-0000		RES CH 1.1K EW 1%	EA	.	.	.	1.00
R129	139-09090-0000		RES CHIP 909 EW 1%	EA	.	.	.	1.00
R130	139-00562-0000		RES CH 56.2 EW 1%	EA	.	.	.	1.00
R131	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R132	139-02002-0000		RES CHIP 20.0KEW1%	EA	.	.	.	1.00
R133	139-03920-0000		392 OHM 1/8W 1%	EA	.	.	.	1.00
R134	139-01502-0000		RES CHIP 15K EW 1%	EA	.	.	.	1.00
R135	139-01820-0000		RES CH 182 EW 1%	EA	.	.	.	1.00
R136	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R137	139-02000-0000		RES CH 200 EW 1%	EA	.	.	.	1.00
R138	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R139	139-04753-0000		RES CH 475K EW 1%	EA	.	.	.	1.00
R140	139-03320-0000		RES CHIP 332 EW 1%	EA	.	.	.	1.00
R141	139-04750-0000		RES CH 475 EW 1%	EA	.	.	.	1.00
R142	139-03322-0000		RES CH 33.2K EW 1%	EA	.	.	.	1.00
R143	139-08251-0000		RES CH 8.25K EW 1%	EA	.	.	.	1.00
R144	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R145	139-05110-0000		RES CH 511 EW 1%	EA	.	.	.	1.00
R146	139-03322-0000		RES CH 33.2K EW 1%	EA	.	.	.	1.00
R147	139-03320-0000		RES CHIP 332 EW 1%	EA	.	.	.	1.00
R148	139-08251-0000		RES CH 8.25K EW 1%	EA	.	.	.	1.00
R149	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R150	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R151	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R152	139-03922-0000		RES CH 39.2K EW 1%	EA	.	.	.	1.00
R153	139-01212-0000		RES CHIP 12.1K1%EW	EA	.	.	.	1.00
R154	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R155	139-03922-0000		RES CH 39.2K EW 1%	EA	.	.	.	1.00
R156	139-01212-0000		RES CHIP 12.1K1%EW	EA	.	.	.	1.00
R157	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000	-0001	-0002	-0099
R158	139-06812-0000		RES 68.1K EW 1%	EA	.	.	.	1.00
R159	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	.	.	1.00
R160	139-03322-0000		RES CH 33.2K EW 1%	EA	.	.	.	1.00
R161	139-03921-0000		RES CH 3.92K EW 1%	EA	.	.	.	1.00
R162	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R163	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R164	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R165	139-03322-0000		RES CH 33.2K EW 1%	EA	.	.	.	1.00
R166	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R167	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R168	139-01103-0000		RES CHIP 110K EW1%	EA	.	.	.	1.00
R169	139-04751-0000		RES CH 4.75K EW 1%	EA	.	.	.	1.00
R170	139-01102-0000		RES 11K EW 1%	EA	.	.	.	1.00
R171	139-03010-0000		RES CHIP 301 EW 1%	EA	.	.	.	1.00
R172	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
R173	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R174	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R175	139-03652-0000		RES CHIP 36.5KEW1%	EA	.	.	.	1.00
R176	133-00351-0004		POTENTIOMETER 10K	EA	.	.	.	1.00
R177	139-02742-0000		RES CHIP 27.4KEW1%	EA	.	.	.	1.00
R178	139-05111-0000		RES CHIP 5.11KEW1%	EA	.	.	.	1.00
R179	139-05111-0000		RES CHIP 5.11KEW1%	EA	.	.	.	1.00
R180	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R181	139-04753-0000		RES CH 475K EW 1%	EA	.	.	.	1.00
R182	139-07500-0000		RES CHIP 750 EW 1%	EA	.	.	.	1.00
R183	139-03922-0000		RES CH 39.2K EW 1%	EA	.	.	.	1.00
R184	133-00351-0005		POTENTIOMETER 22K	EA	.	.	.	1.00
R185	139-03322-0000		RES CH 33.2K EW 1%	EA	.	.	.	1.00
R186	139-02002-0000		RES CHIP 20.0KEW1%	EA	.	.	.	1.00
R187	139-01242-0000		RES CHIP 12.4KEW1%	EA	.	.	.	1.00
R188	139-01822-0000		RES CHIP 18.2KEW1%	EA	.	.	.	1.00
R189	133-00351-0004		POTENTIOMETER 10K	EA	.	.	.	1.00
R190	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	.	.	1.00
R191	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R192	139-05620-0000		RES CH 562 EW 1%	EA	.	.	.	1.00
R193	131-00012-0033		RES CF 1.2 HW 5%	EA	.	.	.	1.00
R194	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R195	139-05110-0000		RES CH 511 EW 1%	EA	.	.	.	1.00
R196	139-04751-0000		RES CH 4.75K EW 1%	EA	.	.	.	1.00
R197	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
R198	139-02000-0000		RES CH 200 EW 1%	EA	.	.	.	1.00
R199	139-06193-0000		RES CH 619KEW 1%	EA	.	.	.	1.00
R200	139-04751-0000		RES CH 4.75K EW 1%	EA	.	.	.	1.00
R201	139-02001-0000		RES CHIP 2K EW 1%	EA	.	.	.	1.00
R202	139-02743-0000		RES CH 274K EW 1%	EA	.	.	.	1.00
R203	139-04750-0000		RES CH 475 EW 1%	EA	1.00	.	1.00	.
R204	139-02431-0000		RES CH 2.43K EW 1%	EA	.	.	.	1.00
R205	139-04751-0000		RES CH 4.75K EW 1%	EA	.	.	.	1.00
R206	139-04751-0000		RES CH 4.75K EW 1%	EA	.	.	.	1.00
R207	139-09091-0000		RES CH 9.09K EW 1%	EA	.	.	.	1.00
R208	139-01332-0000		RES CHIP 13.3KEW1%	EA	.	.	.	1.00
R209	139-04753-0000		RES CH 475K EW 1%	EA	.	.	.	1.00
R210	139-02741-0000		RES CH 2.74K EW 1%	EA	.	.	.	1.00
R211	139-02003-0000		RES CHIP 200KEW1%	EA	.	.	.	1.00
R212	139-04753-0000		RES CH 475K EW 1%	EA	.	.	.	1.00
R213	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	.	.	1.00
R214	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
R215	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R216	139-01102-0000		RES 11K EW 1%	EA	.	.	.	1.00
R217	139-03010-0000		RES CHIP 301 EW 1%	EA	.	.	.	1.00
R218	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R219	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R220	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000	-0001	-0002	-0099
R221	133-00351-0004		POTENTIOMETER 10K	EA	.	.	.	1.00
R222	139-01501-0000		RES CH 1.5K EW 1%	EA	.	.	.	1.00
R223	139-03922-0000		RES CH 39.2K EW 1%	EA	.	.	.	1.00
R224	130-05101-0033		RES CH 100 QW 5%	EA	.	.	.	1.00
R225	139-04750-0000		RES CH 475 EW 1%	EA	.	.	.	1.00
R226	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R227	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R228	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R229	139-00150-0000		RES CH 15 EW 1%	EA	.	.	.	1.00
R230	139-04751-0000		RES CH 4.75K EW 1%	EA	.	.	.	1.00
R231	139-01004-0000		RES CHIP 1M EW 1%	EA	.	.	.	1.00
R232	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R233	139-02432-0000		RES CH 24.3K EW 1%	EA	.	.	.	1.00
R234	139-02432-0000		RES CH 24.3K EW 1%	EA	.	.	.	1.00
R235	139-03011-0000		RES CH 3.01K EW 1%	EA	.	.	.	1.00
R236	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R237	139-04753-0000		RES CH 475K EW 1%	EA	.	.	.	1.00
R238	139-04753-0000		RES CH 475K EW 1%	EA	.	.	.	1.00
R239	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	.	.	1.00
R240	139-00221-0000		RES CH 22.1 EW 1%	EA	.	.	.	1.00
R241	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R242	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R243	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R244	139-02432-0000		RES CH 24.3K EW 1%	EA	.	.	.	1.00
R245	139-05621-0000		RES CHIP 5.62KEW1%	EA	.	.	.	1.00
R246	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R247	139-02000-0000		RES CH 200 EW 1%	EA	.	.	.	1.00
R248	130-05000-0025		RES CHIP 0 EW CJ	EA	.	1.00	.	.
R249	139-01000-0000		RES CHIP 100 EW 1%	EA	1.00	.	1.00	.
R250	139-02212-0000		RES CHIP 22.1KEW1%	EA	1.00	1.00	1.00	.
R251	139-01502-0000		RES CHIP 15K EW 1%	EA	.	1.00	.	.
R251	139-09091-0000		RES CH 9.09K EW 1%	EA	1.00	.	1.00	.
R252	131-00162-0033		RES CF 1.6K HW 5%	EA	.	1.00	.	.
R252	131-00182-0033		RES CF 1.8K HW 5%	EA	1.00	.	1.00	.
R253	139-01500-0000		RES CH 150 EW 1%	EA	.	.	.	1.00
R254	139-06191-0000		RES CH 6.19KEW 1%	EA	.	.	.	1.00
R255	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
R256	133-00351-0004		POTENTIOMETER 10K	EA	1.00	.	1.00	.
R256	133-00351-0005		POTENTIOMETER 22K	EA	.	1.00	.	.
R257	139-03321-0000		RES CHIP 3.32K EW	EA	.	.	.	1.00
R258	139-01502-0000		RES CHIP 15K EW 1%	EA	.	.	.	1.00
R259	130-05000-0025		RES CHIP 0 EW CJ	EA	1.00	.	1.00	.
R260	130-05000-0025		RES CHIP 0 EW CJ	EA	1.00	.	1.00	.
R261	130-05000-0025		RES CHIP 0 EW CJ	EA	.	1.00	.	.
R262	139-00100-0000		RES CHIP 10 EW 1%	EA	.	.	.	1.00
R263	139-00100-0000		RES CHIP 10 EW 1%	EA	.	.	.	1.00
R264	139-06191-0000		RES CH 6.19KEW 1%	EA	.	.	.	1.00
R265	139-03921-0000		RES CH 3.92K EW 1%	EA	.	.	.	1.00
R266	139-01821-0000		RES CHIP 1.82KEW1%	EA	.	.	.	1.00
R267	133-00351-0003		POTENTIOMETER 4.7K	EA	.	.	.	1.00
R268	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R269	139-02001-0000		RES CHIP 2K EW 1%	EA	.	.	.	1.00
R270	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R271	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
R272	132-05051-0000		RES WW .15 2W 5%	EA	.	1.00	.	.
R273	132-05051-0000		RES WW .15 2W 5%	EA	.	1.00	.	.
R274	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R275	139-02210-0000		RES CH 221 EW 1%	EA	.	.	.	1.00
R276	139-03651-0000		RESCH 3.65K 8EW 1%	EA	.	.	.	1.00
R277	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R278	139-03321-0000		RES CHIP 3.32K EW	EA	.	.	.	1.00
R279	139-02210-0000		RES CH 221 EW 1%	EA	1.00	1.00	1.00	.
R280	139-06810-0000		RES CH 681 EW 1%	EA	.	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000	-0001	-0002	-0099
R281	139-02210-0000		RES CH 221 EW 1%	EA	.	.	.	1.00
R282	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R283	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R284	139-03321-0000		RES CHIP 3.32K EW	EA	.	.	.	1.00
R286	139-04753-0000		RES CH 475K EW 1%	EA	.	.	.	1.00
R287	139-01502-0000		RES CHIP 15K EW 1%	EA	.	.	.	1.00
R288	139-01000-0000		RES CHIP 10O EW 1%	EA	.	.	.	1.00
R289	139-05620-0000		RES CH 562 EW 1%	EA	.	.	.	1.00
R290	139-01000-0000		RES CHIP 10O EW 1%	EA	.	.	.	1.00
R291	139-01000-0000		RES CHIP 10O EW 1%	EA	.	.	.	1.00
R292	139-01000-0000		RES CHIP 10O EW 1%	EA	.	.	.	1.00
R293	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R294	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R295	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R296	130-05000-0025		RES CHIP 0 EW CJ	EA	.	.	.	1.00
R297	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R298	139-04750-0000		RES CH 475 EW 1%	EA	.	.	.	1.00
R299	139-02210-0000		RES CH 221 EW 1%	EA	.	.	.	1.00
REF1	300-07799-0000		14V MAIN BOARD KY	RF	.00	.	.00	.
REF1	300-07799-0001		28V MAIN BOARD K	RF	.	.00	.	.
REF2	002-07799-0000		KY96A/97A LCD MAIN	RF	.	.	.	.00
T101	019-08079-0000		XFMR IF	EA	.	.	.	1.00
T102	019-08080-0000		XFMR IF 15PF	EA	.	.	.	1.00
T103	019-08102-0000		XFMR IF 27PF	EA	.	.	.	1.00
T104	019-08103-0000		XFMR IF	EA	.	.	.	1.00
T105	019-02328-0081		3.5 TURN CT	EA	.	.	.	1.00
T106	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
T107	019-05083-0000		XFMR AUD	EA	.	.	.	1.00
T108	019-05084-0001		XFMR MOD 90OT	EA	.	.	.	1.00
T109	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
T110	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
TP101	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP102	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP104	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP105	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP106	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP107	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP108	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP109	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP110	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP112	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP115	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
Y101	044-00272-0001		3.975 MHZ .001%	EA	.	.	.	1.00
	009-07799-0000		PC BD MAIN	EA	.	.	.	1.00
	012-01174-0000		INSULATOR	EA	.	.	.	5.00
	016-01040-0000		COATING TYPE AR	AR	.	.	.	1.00
	016-01082-0000		DC RTV 3145	AR	.	.	.	1.00
	025-00005-0002		WIRE 18 RED	IN	.	.	.	1.40
	026-00004-0000		WIRE, CU, 20AWG, T	IN	1.25	.	1.25	6.40
	026-00013-0000		WIRE, COAX, RG-178	IN	.	.	.	4.75
	030-02174-0001		PIN CONT	EA	.	.	.	2.00
	030-02174-0004		PIN CONTACT	EA	.	.	.	9.00
	047-08202-0001		FENCE VCO	EA	.	.	.	1.00
	047-08203-0001		FENCE PRESELECT/IF	EA	.	.	.	1.00
	047-08208-0001		COVER VCO	EA	.	.	.	1.00
	047-08209-0001		COVER PRESELECT/IF	EA	.	.	.	1.00
	047-08476-0002		SHIELD VCO W/INS	EA	.	.	.	1.00
	047-08477-0002		SHIELD PRESELW/INS	EA	.	.	.	1.00
	047-08550-0002		GERMAN SHIELD	EA	.	.	.	1.00
	089-06004-0003		SCR FHP 2-56X3/16	EA	.	.	.	3.00
	090-00213-0000		FUSE CLIP 1/4 IN.	EA	.	.	.	2.00
	091-00025-0000		WSHR XSTR INSUL	EA	.	.	.	1.00
	150-00003-0010		TUBING TFLN 24AWG	IN	.	.	.	1.08

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0000	-0001	-0002	-0099
	150-00005-0010		TUBING TFLN 20AWG	IN	.75	.	.75	6.40
	150-00103-0000		SLDR SLEEVE	EA	.	.	.	2.00
	155-02031-0027		JUMPER CABLE 9C	EA	.	.	.	1.00
	155-02031-0030		JUMPER CABLE 9C	EA	.	.	.	1.00
	200-07799-0099		COMMON BOM	EA	1.00	1.00	1.00	.
	200-08506-0000		PC BOARD	EA	.	.	.	1.00
	200-08506-0004		PC BOARD	EA	.	.	.	1.00
	200-08939-0000		FILTER BD	EA	.	.	.	1.00

200-07799-0003 96A MAIN BD 50KHZ REV AA
200-07799-0099 COMMON BOM REV CK

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0003	-0099
C101	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C102	106-05399-0020		CH 3.9PF NPO/100V	EA	.	1.00
C103	106-05479-0020		CH 4.7PF NPO/100V	EA	.	1.00
C104	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C105	106-04471-0026		CH 470PF NPO/100V	EA	.	1.00
C107	106-04221-0026		CAP CH220PFNPO/100	EA	.	1.00
C108	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C109	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C110	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C111	106-04682-0057		CAPCH6800PFX7R/100	EA	.	1.00
C112	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C113	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C114	106-05689-0020		CH 6.8PF NPO/100V	EA	.	1.00
C115	106-05030-0020		CH 3.0PF NPO/100V	EA	.	1.00
C116	106-04471-0026		CH 470PF NPO/100V	EA	.	1.00
C117	106-04471-0026		CH 470PF NPO/100V	EA	.	1.00
C118	106-05060-0020		CH 6PF NPO 100V	EA	.	1.00
C119	999-09999-0098		PLACE HOLDER	RF	.	.00
C120	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C121	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C125	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C126	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C127	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C128	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C129	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C130	106-04392-0057		CAPCH3900PFX7R/100	EA	.	1.00
C131	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C132	106-04470-0026		CAPCH 47PFNPO/100V	EA	.	1.00
C133	106-04470-0026		CAPCH 47PFNPO/100V	EA	.	1.00
C134	102-00085-0000		CAP VAR SURF MTG	EA	.	1.00
C135	097-00108-0020		CAP EL 0.47UF	EA	.	1.00
C136	106-05020-0020		CH 2PF NPO 100V	EA	.	1.00
C137	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C138	106-04103-0057		CAP CH 10KX7R/100V	EA	.	1.00
C139	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C140	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C141	106-04103-0057		CAP CH 10KX7R/100V	EA	1.00	.
C142	106-04103-0057		CAP CH 10KX7R/100V	EA	1.00	.
C143	106-04103-0057		CAP CH 10KX7R/100V	EA	1.00	.
C144	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C145	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C146	106-04220-0026		CH 22PF NPO/100V	EA	.	1.00
C147	106-05020-0020		CH 2PF NPO 100V	EA	.	1.00
C148	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C149	106-04820-0026		CAP CH82PFNPO/100V	EA	.	1.00
C150	106-04330-0026		CH 33PF NPO/100V	EA	.	1.00
C151	097-00104-0036		CAP AL 47UF 25V	EA	.	1.00
C152	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C153	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C154	106-04220-0026		CH 22PF NPO/100V	EA	.	1.00
C155	106-04470-0026		CAPCH 47PFNPO/100V	EA	.	1.00
C156	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C157	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C158	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C159	106-04151-0026		CH 150PF NPO/100V	EA	.	1.00
C160	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C161	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C162	106-04154-0078		CAP CH 150KZ5U/50V	EA	.	1.00
C163	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C164	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C165	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0003	-0099
C166	096-01082-0057		CAP TN 1UF 35V	EA	.	1.00
C167	097-00149-0001		CAP AL 1000UF 50V	EA	1.00	.
C168	097-00109-0006		CAP EL 100UF 16V	EA	.	1.00
C169	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C170	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C171	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C172	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C173	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C174	111-00001-0068		CAP CR .068UF 50V	EA	.	1.00
C175	111-00001-0003		CAP CR .22UF 50V	EA	.	1.00
C176	111-00001-0003		CAP CR .22UF 50V	EA	.	1.00
C177	097-00108-0018		CAP EL 0.22UF	EA	.	1.00
C178	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C179	097-00108-0014		CAP EL 4.7UF 35V	EA	.	1.00
C180	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C181	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C182	097-00108-0023		CAP EL 3.3UF	EA	.	1.00
C183	097-00108-0020		CAP EL 0.47UF	EA	.	1.00
C184	097-00109-0006		CAP EL 100UF 16V	EA	.	1.00
C185	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C186	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C187	097-00109-0006		CAP EL 100UF 16V	EA	.	1.00
C188	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C189	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C190	097-00109-0006		CAP EL 100UF 16V	EA	.	1.00
C191	097-00108-0022		CAP EL 2.2UF	EA	.	1.00
C192	999-09999-0098		PLACE HOLDER	RF	.	.00
C193	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C194	111-00001-0001		CAP CR .1UF 50V	EA	.	1.00
C195	097-00104-0036		CAP AL 47UF 25V	EA	.	1.00
C196	097-00109-0006		CAP EL 100UF 16V	EA	.	1.00
C197	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C198	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C199	097-00104-0036		CAP AL 47UF 25V	EA	.	1.00
C200	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C201	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C202	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C203	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C204	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C205	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C206	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C207	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C208	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C209	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C210	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C211	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C212	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C213	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C214	097-00104-0036		CAP AL 47UF 25V	EA	.	1.00
C215	097-00108-0015		CAP EL 10UF 35V	EA	1.00	.
C216	097-00104-0036		CAP AL 47UF 25V	EA	.	1.00
C217	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C218	106-04222-0057		CAPCH2200PFX7R/100	EA	.	1.00
C219	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C220	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C221	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C222	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C223	999-09999-0098		PLACE HOLDER	RF	.	.00
C224	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C225	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C226	106-04331-0026		CAPCH330PFNPO/100V	EA	.	1.00
C227	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C228	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0003	-0099
C229	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C230	111-00001-0006		CAP CR .47UF 50V	EA	.	1.00
C231	106-04221-0026		CAP CH220PFNPO/100	EA	.	1.00
C232	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C233	106-04101-0026		CH 100PF NPO/100V	EA	.	1.00
C235	111-00001-0068		CAP CR .068UF 50V	EA	1.00	.
C236	111-00001-0026		CAP CR .33UF 50V	EA	.	1.00
C237	096-01082-0040		CAP TN 3.3UF 35V	EA	.	1.00
C238	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C239	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C240	999-09999-0098		PLACE HOLDER	RF	.	.00
C241	106-04471-0026		CH 470PF NPO/100V	EA	.	1.00
C242	106-04471-0026		CH 470PF NPO/100V	EA	.	1.00
C243	106-04471-0026		CH 470PF NPO/100V	EA	.	1.00
C244	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C245	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C246	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C247	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C248	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C249	106-04390-0026		CH 39PF NPO/100V	EA	.	1.00
C250	097-00108-0023		CAP EL 3.3UF	EA	.	1.00
C251	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C252	106-04391-0026		CH 390PF NPO/100V	EA	.	1.00
C253	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C254	106-04270-0026		CH 27PF NPO/100V	EA	1.00	.
C255	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C256	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C257	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C258	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C259	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C260	106-04103-0057		CAP CH 10KX7R/100V	EA	.	1.00
C261	106-04821-0016		CAP CH820PFNPO/50V	EA	.	1.00
C262	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C263	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C264	106-04821-0016		CAP CH820PFNPO/50V	EA	.	1.00
C265	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C267	097-00104-0036		CAP AL 47UF 25V	EA	.	1.00
C268	097-00104-0036		CAP AL 47UF 25V	EA	.	1.00
C269	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C270	097-00104-0036		CAP AL 47UF 25V	EA	.	1.00
C271	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C272	106-04220-0026		CH 22PF NPO/100V	EA	.	1.00
C273	106-04829-0020		CAP CH 8.2 NPO/100	EA	.	1.00
C274	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C281	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C282	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C284	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C285	096-01082-0002		CAP TN 1UF 35V	EA	.	1.00
C286	106-04221-0026		CAP CH220PFNPO/100	EA	.	1.00
C287	106-04331-0026		CAPCH330PFNPO/100V	EA	.	1.00
CR101	007-04020-0005		MS5 VARACTOR DIODE	EA	.	1.00
CR102	007-06181-0000		DIO DUAL MMBD2835	EA	.	1.00
CR104	007-06223-0000		DIO DUAL SWITCHING	EA	.	1.00
CR105	007-06222-0000		DIO DAN202K	EA	.	1.00
CR106	007-06222-0000		DIO DAN202K	EA	.	1.00
CR107	007-06222-0000		DIO DAN202K	EA	.	1.00
CR108	007-05039-0002		DIO Z 40.2V	EA	.	1.00
CR109	007-06222-0000		DIO DAN202K	EA	.	1.00
CR110	007-06222-0000		DIO DAN202K	EA	.	1.00
CR111	999-09999-0098		PLACE HOLDER	RF	.	.00
CR112	007-06223-0000		DIO DUAL SWITCHING	EA	.	1.00
CR113	007-06222-0000		DIO DAN202K	EA	.	1.00
CR114	007-06181-0000		DIO DUAL MMBD2835	EA	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0003	-0099
CR115	007-05117-0017		DIO Z 16V SOT	EA	1.00	.
CR116	999-09999-0098		PLACE HOLDER	RF	.	.00
CR117	007-06228-0000		RF SWITCHING DIODE	EA	.	1.00
CR118	007-05117-0023		DIO Z 30V SOT	EA	.	1.00
CR119	999-09999-0098		PLACE HOLDER	RF	.	.00
CR120	007-06222-0000		DIO DAN202K	EA	.	1.00
CR121	999-09999-0098		PLACE HOLDER	RF	.	.00
CR122	007-05117-0007		DIO Z 6.2V SOT	EA	.	1.00
CR123	007-05117-0007		DIO Z 6.2V SOT	EA	1.00	.
CR124	007-06105-0000		DIO HV FDH444	EA	.	1.00
CR125	007-06222-0000		DIO DAN202K	EA	.	1.00
F101	036-00014-0000		FUSE 3AG 250V 10A	EA	.	1.00
FL101	017-00076-0000		FLTR XTAL 11.4MHZ	EA	1.00	.
I101	120-03020-0001		IC IF AMP SO	EA	.	1.00
I102	120-03020-0001		IC IF AMP SO	EA	.	1.00
I103	120-03317-0000		SYNTHESIZER CX7925	EA	1.00	.
I104	120-03094-0032		IC LM340LAZ-5.0	EA	.	1.00
I105	120-03053-0009		LM358D DUAL OP AMP	EA	.	1.00
I106	120-03053-0009		LM358D DUAL OP AMP	EA	.	1.00
I107	120-03127-0011		IC LM2903 SO PKG	EA	.	1.00
I108	120-03026-0000		IC MC7805CT	EA	.	1.00
I109	120-03094-0032		IC LM340LAZ-5.0	EA	.	1.00
I110	999-09999-0098		PLACE HOLDER	RF	.	.00
I111	120-03053-0009		LM358D DUAL OP AMP	EA	.	1.00
I112	120-03190-0000		AUDIO AMP LM1877N-	EA	.	1.00
I113	120-03053-0009		LM358D DUAL OP AMP	EA	.	1.00
L101	019-02312-0060		IDCTR V 2.5T	EA	.	1.00
L102	019-02084-0024		CH 1.5UH 5%	EA	.	1.00
L103	019-02312-0060		IDCTR V 2.5T	EA	.	1.00
L104	019-02084-0027		CH 1.8UH 10%	EA	.	1.00
L105	019-02312-0060		IDCTR V 2.5T	EA	.	1.00
L106	019-02084-0034		CH 3.9UH 5%	EA	.	1.00
L107	019-02312-0060		IDCTR V 2.5T	EA	.	1.00
L108	019-02084-0021		CH 1UH 10%	EA	.	1.00
L109	019-02209-0000		CHOKE FILTER	EA	.	1.00
L110	019-08078-0000		COIL TUN 20MH	EA	.	1.00
L111	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L112	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L113	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L114	013-00028-0001		FERR BEAD W/LEAD	EA	1.00	.
L115	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L116	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L117	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L118	013-00028-0001		FERR BEAD W/LEAD	EA	1.00	.
L119	999-09999-0098		PLACE HOLDER	RF	.	.00
L120	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L121	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L122	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L123	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L124	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L126	013-00028-0001		FERR BEAD W/LEAD	EA	1.00	.
L129	999-09999-0098		PLACE HOLDER	RF	.	.00
L130	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L132	019-02084-0027		CH 1.8UH 10%	EA	.	1.00
L133	019-02084-0021		CH 1UH 10%	EA	.	1.00
L134	019-02099-0003		CH .047UH 5%	EA	.	1.00
L135	019-02084-0000		CH .15UH 5%	EA	.	1.00
L136	019-02084-0005		CH .22UH 10%	EA	.	1.00
L137	019-02084-0009		CH .33UH 10%	EA	.	1.00
Q101	007-00254-0001		XSTR S PNP SOT-23	EA	.	1.00
Q102	999-09999-0098		PLACE HOLDER	RF	.	.00
Q103	999-09999-0098		PLACE HOLDER	RF	.	.00
Q104	007-00195-0001		XSTR MPSH10	EA	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0003	-0099
Q105	007-00195-0001		XSTR MPSH10	EA	.	1.00
Q106	007-00195-0001		XSTR MPSH10	EA	.	1.00
Q107	007-00195-0001		XSTR MPSH10	EA	.	1.00
Q108	007-00579-0000		XSTR 2SK241	EA	.	1.00
Q109	007-00195-0001		XSTR MPSH10	EA	.	1.00
Q110	007-00195-0001		XSTR MPSH10	EA	.	1.00
Q111	007-00195-0001		XSTR MPSH10	EA	.	1.00
Q112	007-00187-0002		XSTR SOT-23 2N5089	EA	.	1.00
Q114	007-00467-0000		XSTR S NPN MMBTA06	EA	.	1.00
Q115	007-00467-0000		XSTR S NPN MMBTA06	EA	.	1.00
Q116	007-00813-0000		XSTR NPN S MMBTA14	EA	.	1.00
Q117	007-00187-0002		XSTR SOT-23 2N5089	EA	.	1.00
Q118	007-00280-0001		XSTR E175/J175	EA	.	1.00
Q119	007-00280-0001		XSTR E175/J175	EA	.	1.00
Q120	007-00280-0001		XSTR E175/J175	EA	.	1.00
Q121	007-00813-0000		XSTR NPN S MMBTA14	EA	.	1.00
Q123	007-00078-0001		XSTR S NPN 2N3417	EA	.	1.00
Q126	007-00250-0000		XSTR 2N4427	EA	.	1.00
Q127	007-00195-0001		XSTR MPSH10	EA	.	1.00
Q128	007-00179-0001		XSTR SOT23 2N3904	EA	.	1.00
Q129	007-00179-0001		XSTR SOT23 2N3904	EA	.	1.00
Q131	007-00187-0002		XSTR SOT-23 2N5089	EA	.	1.00
Q132	007-00195-0001		XSTR MPSH10	EA	.	1.00
Q133	007-00179-0001		XSTR SOT23 2N3904	EA	.	1.00
Q134	007-00187-0002		XSTR SOT-23 2N5089	EA	.	1.00
Q135	007-00537-0000		XSTR PNP MMBT5087	EA	.	1.00
Q136	007-00537-0000		XSTR PNP MMBT5087	EA	.	1.00
Q137	007-00187-0002		XSTR SOT-23 2N5089	EA	.	1.00
Q138	007-00179-0001		XSTR SOT23 2N3904	EA	.	1.00
Q139	007-00383-0004		SOT-23 2N2222A XST	EA	.	1.00
Q140	007-00187-0002		XSTR SOT-23 2N5089	EA	.	1.00
Q141	007-00187-0002		XSTR SOT-23 2N5089	EA	.	1.00
R1001	139-02432-0000		RES CH 24.3K EW 1%	EA	.	1.00
R1002	139-03011-0000		RES CH 3.01K EW 1%	EA	.	1.00
R1003	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R1004	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R1005	139-05110-0000		RES CH 511 EW 1%	EA	.	1.00
R1006	139-00200-0000		RES CH 20.0 EW 1%	EA	.	1.00
R1007	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R1009	133-00351-0004		POTENTIOMETER 10K	EA	.	1.00
R101	130-05000-0025		RES CHIP 0 EW CJ	EA	.	1.00
R1010	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R1011	139-02211-0000		RES CH 2.21K EW 1%	EA	.	1.00
R1012	139-08661-0000		RES CH 8.66K EW 1%	EA	.	1.00
R1013	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R1014	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R1015	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R1016	139-02210-0000		RES CH 221 EW 1%	EA	1.00	.
R1017	139-01211-0000		RES CHIP1.21KEW1%	EA	1.00	.
R1019	139-00750-0000		RES CH 75.0 EW 1%	EA	.	1.00
R102	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R1020	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R1021	130-05027-0033		RES CH 2.7 QW 5%	EA	.	1.00
R1022	130-05000-0025		RES CHIP 0 EW CJ	EA	.	1.00
R1023	130-05027-0033		RES CH 2.7 QW 5%	EA	.	1.00
R1024	130-05000-0025		RES CHIP 0 EW CJ	EA	.	1.00
R1025	130-05000-0025		RES CHIP 0 EW CJ	EA	.	1.00
R103	139-01211-0000		RES CHIP1.21KEW1%	EA	.	1.00
R104	139-04750-0000		RES CH 475 EW 1%	EA	1.00	.
R105	139-02671-0000		RES CH 2.67K EW 1%	EA	.	1.00
R106	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R107	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R108	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0003	-0099
R109	139-00475-0000		RES CH 47.5 EW 1%	EA	.	1.00
R110	139-05622-0000		RES CH 56.2K EW 1%	EA	.	1.00
R111	139-04322-0000		RES CHIP 43.2KEW1%	EA	.	1.00
R112	139-05622-0000		RES CH 56.2K EW 1%	EA	.	1.00
R113	139-02000-0000		RES CH 200 EW 1%	EA	.	1.00
R114	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R115	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R116	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R117	139-05622-0000		RES CH 56.2K EW 1%	EA	.	1.00
R118	139-05112-0000		RES CHIP 51.1K 1%	EA	.	1.00
R119	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R120	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R121	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R122	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R123	139-00100-0000		RES CHIP 10 EW 1%	EA	.	1.00
R124	139-01212-0000		RES CHIP 12.1K1%EW	EA	.	1.00
R125	139-00100-0000		RES CHIP 10 EW 1%	EA	.	1.00
R126	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	1.00
R127	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R128	139-01101-0000		RES CH 1.1K EW 1%	EA	.	1.00
R129	139-09090-0000		RES CHIP 909 EW 1%	EA	.	1.00
R130	139-00562-0000		RES CH 56.2 EW 1%	EA	.	1.00
R131	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R132	139-02002-0000		RES CHIP 20.0KEW1%	EA	.	1.00
R133	139-03920-0000		392 OHM 1/8W 1%	EA	.	1.00
R134	139-01502-0000		RES CHIP 15K EW 1%	EA	.	1.00
R135	139-01820-0000		RES CH 182 EW 1%	EA	.	1.00
R136	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R137	139-02000-0000		RES CH 200 EW 1%	EA	.	1.00
R138	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R139	139-04753-0000		RES CH 475K EW 1%	EA	.	1.00
R140	139-03320-0000		RES CHIP 332 EW 1%	EA	.	1.00
R141	139-04750-0000		RES CH 475 EW 1%	EA	.	1.00
R142	139-03322-0000		RES CH 33.2K EW 1%	EA	.	1.00
R143	139-08251-0000		RES CH 8.25K EW 1%	EA	.	1.00
R144	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R145	139-05110-0000		RES CH 511 EW 1%	EA	.	1.00
R146	139-03322-0000		RES CH 33.2K EW 1%	EA	.	1.00
R147	139-03320-0000		RES CHIP 332 EW 1%	EA	.	1.00
R148	139-08251-0000		RES CH 8.25K EW 1%	EA	.	1.00
R149	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R150	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R151	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R152	139-03922-0000		RES CH 39.2K EW 1%	EA	.	1.00
R153	139-01212-0000		RES CHIP 12.1K1%EW	EA	.	1.00
R154	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R155	139-03922-0000		RES CH 39.2K EW 1%	EA	.	1.00
R156	139-01212-0000		RES CHIP 12.1K1%EW	EA	.	1.00
R157	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R158	139-06812-0000		RES 68.1K EW 1%	EA	.	1.00
R159	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	1.00
R160	139-03322-0000		RES CH 33.2K EW 1%	EA	.	1.00
R161	139-03921-0000		RES CH 3.92K EW 1%	EA	.	1.00
R162	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R163	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R164	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R165	139-03322-0000		RES CH 33.2K EW 1%	EA	.	1.00
R166	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R167	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R168	139-01103-0000		RES CHIP 110K EW1%	EA	.	1.00
R169	139-04751-0000		RES CH 4.75K EW 1%	EA	.	1.00
R170	139-01102-0000		RES 11K EW 1%	EA	.	1.00
R171	139-03010-0000		RES CHIP 301 EW 1%	EA	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0003	-0099
R172	999-09999-0098		PLACE HOLDER	RF	.	.00
R173	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R174	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R175	139-03652-0000		RES CHIP 36.5KEW1%	EA	.	1.00
R176	133-00351-0004		POTENTIOMETER 10K	EA	.	1.00
R177	139-02742-0000		RES CHIP 27.4KEW1%	EA	.	1.00
R178	139-05111-0000		RES CHIP 5.11KEW1%	EA	.	1.00
R179	139-05111-0000		RES CHIP 5.11KEW1%	EA	.	1.00
R180	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R181	139-04753-0000		RES CH 475K EW 1%	EA	.	1.00
R182	139-07500-0000		RES CHIP 75O EW 1%	EA	.	1.00
R183	139-03922-0000		RES CH 39.2K EW 1%	EA	.	1.00
R184	133-00351-0005		POTENTIOMETER 22K	EA	.	1.00
R185	139-03322-0000		RES CH 33.2K EW 1%	EA	.	1.00
R186	139-02002-0000		RES CHIP 20.0KEW1%	EA	.	1.00
R187	139-01242-0000		RES CHIP 12.4KEW1%	EA	.	1.00
R188	139-01822-0000		RES CHIP 18.2KEW1%	EA	.	1.00
R189	133-00351-0004		POTENTIOMETER 10K	EA	.	1.00
R190	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	1.00
R191	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R192	139-05620-0000		RES CH 562 EW 1%	EA	.	1.00
R193	131-00012-0033		RES CF 1.2 HW 5%	EA	.	1.00
R194	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R195	139-05110-0000		RES CH 511 EW 1%	EA	.	1.00
R196	139-04751-0000		RES CH 4.75K EW 1%	EA	.	1.00
R197	999-09999-0098		PLACE HOLDER	RF	.	.00
R198	139-02000-0000		RES CH 200 EW 1%	EA	.	1.00
R199	139-06193-0000		RES CH 619KEW 1%	EA	.	1.00
R200	139-04751-0000		RES CH 4.75K EW 1%	EA	.	1.00
R201	139-02001-0000		RES CHIP 2K EW 1%	EA	.	1.00
R202	139-02743-0000		RES CH 274K EW 1%	EA	.	1.00
R204	139-02431-0000		RES CH 2.43K EW 1%	EA	.	1.00
R205	139-04751-0000		RES CH 4.75K EW 1%	EA	.	1.00
R206	139-04751-0000		RES CH 4.75K EW 1%	EA	.	1.00
R207	139-09091-0000		RES CH 9.09K EW 1%	EA	.	1.00
R208	139-01332-0000		RES CHIP 13.3KEW1%	EA	.	1.00
R209	139-04753-0000		RES CH 475K EW 1%	EA	.	1.00
R210	139-02741-0000		RES CH 2.74K EW 1%	EA	.	1.00
R211	139-02003-0000		RES CHIP 200KEW1%	EA	.	1.00
R212	139-04753-0000		RES CH 475K EW 1%	EA	.	1.00
R213	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	1.00
R214	999-09999-0098		PLACE HOLDER	RF	.	.00
R215	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R216	139-01102-0000		RES 11K EW 1%	EA	.	1.00
R217	139-03010-0000		RES CHIP 301 EW 1%	EA	.	1.00
R218	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R219	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R220	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R221	133-00351-0004		POTENTIOMETER 10K	EA	.	1.00
R222	139-01501-0000		RES CH 1.5K EW 1%	EA	.	1.00
R223	139-03922-0000		RES CH 39.2K EW 1%	EA	.	1.00
R224	130-05101-0033		RES CH 100 QW 5%	EA	.	1.00
R225	139-04750-0000		RES CH 475 EW 1%	EA	.	1.00
R226	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R227	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R228	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R229	139-00150-0000		RES CH 15 EW 1%	EA	.	1.00
R230	139-04751-0000		RES CH 4.75K EW 1%	EA	.	1.00
R231	139-01004-0000		RES CHIP 1M EW 1%	EA	.	1.00
R232	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R233	139-02432-0000		RES CH 24.3K EW 1%	EA	.	1.00
R234	139-02432-0000		RES CH 24.3K EW 1%	EA	.	1.00
R235	139-03011-0000		RES CH 3.01K EW 1%	EA	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0003	-0099
R236	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R237	139-04753-0000		RES CH 475K EW 1%	EA	.	1.00
R238	139-04753-0000		RES CH 475K EW 1%	EA	.	1.00
R239	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	1.00
R240	139-00221-0000		RES CH 22.1 EW 1%	EA	.	1.00
R241	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R242	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R243	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R244	139-02432-0000		RES CH 24.3K EW 1%	EA	.	1.00
R245	139-05621-0000		RES CHIP 5.62KEW1%	EA	.	1.00
R246	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R247	139-02000-0000		RES CH 200 EW 1%	EA	.	1.00
R248	130-05000-0025		RES CHIP 0 EW CJ	EA	1.00	.
R250	139-02212-0000		RES CHIP 22.1KEW1%	EA	1.00	.
R251	139-01502-0000		RES CHIP 15K EW 1%	EA	1.00	.
R252	131-00162-0033		RES CF 1.6K HW 5%	EA	1.00	.
R253	139-01500-0000		RES CH 150 EW 1%	EA	.	1.00
R254	139-06191-0000		RES CH 6.19KEW 1%	EA	.	1.00
R255	999-09999-0098		PLACE HOLDER	RF	.	.00
R256	133-00351-0005		POTENTIOMETER 22K	EA	1.00	.
R257	139-03321-0000		RES CHIP 3.32K EW	EA	.	1.00
R258	139-01502-0000		RES CHIP 15K EW 1%	EA	.	1.00
R261	130-05000-0025		RES CHIP 0 EW CJ	EA	1.00	.
R262	139-00100-0000		RES CHIP 10 EW 1%	EA	.	1.00
R263	139-00100-0000		RES CHIP 10 EW 1%	EA	.	1.00
R264	139-06191-0000		RES CH 6.19KEW 1%	EA	.	1.00
R265	139-03921-0000		RES CH 3.92K EW 1%	EA	.	1.00
R266	139-01821-0000		RES CHIP 1.82KEW1%	EA	.	1.00
R267	133-00351-0003		POTENTIOMETER 4.7K	EA	.	1.00
R268	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R269	139-02001-0000		RES CHIP 2K EW 1%	EA	.	1.00
R270	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R271	999-09999-0098		PLACE HOLDER	RF	.	.00
R272	132-05051-0000		RES WW .15 2W 5%	EA	1.00	.
R273	132-05051-0000		RES WW .15 2W 5%	EA	1.00	.
R274	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R275	139-02210-0000		RES CH 221 EW 1%	EA	.	1.00
R276	139-03651-0000		RESCH 3.65K 8EW 1%	EA	.	1.00
R277	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R278	139-03321-0000		RES CHIP 3.32K EW	EA	.	1.00
R279	139-02210-0000		RES CH 221 EW 1%	EA	1.00	.
R280	139-06810-0000		RES CH 681 EW 1%	EA	.	1.00
R281	139-02210-0000		RES CH 221 EW 1%	EA	.	1.00
R282	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R283	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R284	139-03321-0000		RES CHIP 3.32K EW	EA	.	1.00
R286	139-04753-0000		RES CH 475K EW 1%	EA	.	1.00
R287	139-01502-0000		RES CHIP 15K EW 1%	EA	.	1.00
R288	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R289	139-05620-0000		RES CH 562 EW 1%	EA	.	1.00
R290	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R291	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R292	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R293	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R294	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R295	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R296	130-05000-0025		RES CHIP 0 EW CJ	EA	.	1.00
R297	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R298	139-04750-0000		RES CH 475 EW 1%	EA	.	1.00
R299	139-02210-0000		RES CH 221 EW 1%	EA	.	1.00
REF1	300-07799-0001		28V MAIN BOARD K	RF	.00	.
REF2	002-07799-0000		KY96A/97A LCD MAIN	RF	.	.00
T101	019-08079-0000		XFMR IF	EA	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0003	-0099
T102	019-08080-0000		XFMR IF 15PF	EA	.	1.00
T103	019-08102-0000		XFMR IF 27PF	EA	.	1.00
T104	019-08103-0000		XFMR IF	EA	.	1.00
T105	019-02328-0081		3.5 TURN CT	EA	.	1.00
T106	999-09999-0098		PLACE HOLDER	RF	.	.00
T107	019-05083-0000		XFMR AUD	EA	.	1.00
T108	019-05084-0001		XFMR MOD 900T	EA	.	1.00
T109	999-09999-0098		PLACE HOLDER	RF	.	.00
T110	999-09999-0098		PLACE HOLDER	RF	.	.00
TP101	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP102	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP104	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP105	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP106	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP107	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP108	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP109	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP110	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP112	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP115	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
Y101	044-00272-0001		3.975 MHZ .001%	EA	.	1.00
	009-07799-0000		PC BD MAIN	EA	.	1.00
	012-01174-0000		INSULATOR	EA	.	5.00
	016-01040-0000		COATING TYPE AR	AR	.	1.00
	016-01082-0000		DC RTV 3145	AR	.	1.00
	025-00005-0002		WIRE 18 RED	IN	.	1.40
	026-00004-0000		WIRE, CU, 20AWG, T	IN	.	6.40
	026-00013-0000		WIRE, COAX, RG-178	IN	.	4.75
	030-02174-0001		PIN CONT	EA	.	2.00
	030-02174-0004		PIN CONTACT	EA	.	9.00
	047-08202-0001		FENCE VCO	EA	.	1.00
	047-08203-0001		FENCE PRESELECT/IF	EA	.	1.00
	047-08208-0001		COVER VCO	EA	.	1.00
	047-08209-0001		COVER PRESELECT/IF	EA	.	1.00
	047-08476-0002		SHIELD VCO W/INS	EA	.	1.00
	047-08477-0002		SHIELD PRESELW/INS	EA	.	1.00
	047-08550-0002		GERMAN SHIELD	EA	.	1.00
	089-06004-0003		SCR FHP 2-56X3/16	EA	.	3.00
	090-00213-0000		FUSE CLIP 1/4 IN.	EA	.	2.00
	091-00025-0000		WSHR XSTR INSUL	EA	.	1.00
	150-00003-0010		TUBING TFLN 24AWG	IN	.	1.08
	150-00005-0010		TUBING TFLN 20AWG	IN	.	6.40
	150-00103-0000		SLDR SLEEVE	EA	.	2.00
	155-02031-0027		JUMPER CABLE 9C	EA	.	1.00
	155-02031-0030		JUMPER CABLE 9C	EA	.	1.00
	200-07799-0099		COMMON BOM	EA	1.00	.
	200-08506-0000		PC BOARD	EA	.	1.00
	200-08506-0004		PC BOARD	EA	.	1.00
	200-08939-0000		FILTER BD	EA	.	1.00

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200-07799-0000 97A MAIN BD 25KHZ REV 11 KY 0097A
200-07799-0001 96A MAIN BD 25KHZ REV 11 KY 0096A
200-07799-0002 97A MAIN BD 50KHZ REV 10 KY 0097A
200-07799-0003 96A MAIN BD 50KHZ REV 10 KY 0096A
200-07799-0099 COMMON BOM REV 32 KY 0096A KY 0097A

SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000	0001	0002	0003	0099
	009-07799-0000	PC BD MAIN		EA	.	.	.	.	1.00
	012-01174-0000	INSULATOR		EA	.	.	.	.	5.00
	016-01040-0000	COATING TYPE AR		AR	.	.	.	.	1.00
	016-01082-0000	DC RTV 3145		AR	.	.	.	.	1.00
	026-00004-0000	WIRE COP TIN 20G		IN	1.25	.	1.25	.	.
	026-00013-0000	CA COAX RG-178BU		IN	.	.	.	.	4.75
	030-02174-0004	PIN CONTACT		EA	.	.	.	.	9.00
	047-08202-0001	FENCE VCO	A	EA	.	.	.	.	1.00
	047-08203-0001	FENCE PRESELECT/IF		EA	.	.	.	.	1.00
	047-08208-0001	COVER VCO	A	EA	.	.	.	.	1.00
	047-08209-0001	COVER PRESELECT/IF	A	EA	.	.	.	.	1.00
	047-08476-0002	SHIELD VCO W/INS	A	**	.	.	.	.	1.00
	047-08477-0002	SHIELD PRESELW/INS	A	**	.	.	.	.	1.00
	047-08550-0002	GERMAN SHIELD		EA	.	.	.	.	1.00
	089-06004-0003	SCR FHP 2-56X3/16		EA	.	.	.	.	3.00
	090-00213-0000	FUSE CLIP 1/4"		EA	.	.	.	.	2.00
	091-00025-0000	WSHR XSTR INSUL		EA	.	.	.	.	1.00
	150-00003-0010	TUBING TFLN 24AWG		IN	.	.	.	.	1.08
	150-00005-0010	TUBING TFLN 20AWG		IN	0.75	.	0.75	.	.
	150-00103-0000	SLDR SLEEVE		EA	.	.	.	.	2.00
	200-07799-0099	COMMON BOM	A	EA	1.00	1.00	1.00	1.00	.
	200-08506-0000	PC BOARD	A	EA	.	.	.	.	1.00
	200-08506-0004	PC BOARD	A	EA	.	.	.	.	1.00
C 101	106-04473-0047	CAP CH 47K X7R/50V		EA	.	.	.	.	1.00
C 102	106-05399-0020	CH 3.9PF NPO/100V		EA	.	.	.	.	1.00
C 103	106-05479-0020	CH 4.7PF NPO/100V		EA	.	.	.	.	1.00
C 104	106-04102-0026	CH 1KPF NPO/100V		EA	.	.	.	.	1.00
C 105	106-04471-0026	CH 470PF NPO/100V		EA	.	.	.	.	1.00
C 106	106-05020-0020	CAP CER CHIP SERS		EA	.	.	.	.	1.00
C 107	106-04221-0026	CAP CH220PFNPO/100		EA	.	.	.	.	1.00
C 108	106-04473-0047	CAP CH 47K X7R/50V		EA	.	.	.	.	1.00
C 109	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 110	106-04473-0047	CAP CH 47K X7R/50V		EA	.	.	.	.	1.00
C 111	106-04682-0057	CAPCH6800PFX7R/100		EA	.	.	.	.	1.00
C 112	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 113	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 114	106-05689-0020	CH 6.8PF NPO/100V		EA	.	.	.	.	1.00
C 115	106-05030-0020	CH 3.0PF NPO/100V		EA	.	.	.	.	1.00
C 116	106-04471-0026	CH 470PF NPO/100V		EA	.	.	.	.	1.00
C 117	106-04471-0026	CH 470PF NPO/100V		EA	.	.	.	.	1.00
C 118	106-05060-0020	CAP CER CHIP SERS		EA	.	.	.	.	1.00
C 119	999-09999-0098	NOT USED		RF	.	.	.	.	X.
C 120	106-04473-0047	CAP CH 47K X7R/50V		EA	.	.	.	.	1.00
C 121	106-04473-0047	CAP CH 47K X7R/50V		EA	.	.	.	.	1.00
C 122	106-00001-0003	CAP FC 1.5PF5%500V		EA	1.00	1.00	.	.	.
C 123	106-00001-0003	CAP FC 1.5PF5%500V		EA	1.00	1.00	.	.	.
C 124	106-00001-0003	CAP FC 1.5PF5%500V		EA	1.00	1.00	.	.	.
C 125	097-00108-0007	CAP EL 10UF 16V		EA	.	.	.	.	1.00
C 126	106-04473-0047	CAP CH 47K X7R/50V		EA	.	.	.	.	1.00
C 127	106-04473-0047	CAP CH 47K X7R/50V		EA	.	.	.	.	1.00
C 128	097-00108-0007	CAP EL 10UF 16V		EA	.	.	.	.	1.00
C 129	106-04473-0047	CAP CH 47K X7R/50V		EA	.	.	.	.	1.00
C 130	106-04392-0057	CAPCH3900PFX7R/100		EA	.	.	.	.	1.00
C 131	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00

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SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000	0001	0002	0003	0099
C 132	106-04470-0026	CH 47PF NPO/100V		EA	.	.	.	.	1.00
C 133	106-04470-0026	CH 47PF NPO/100V		EA	.	.	.	.	1.00
C 134	102-00085-0000	CAP VAR SURF MTG		EA	.	.	.	.	1.00
C 135	097-00108-0020	CAP EL 0.47UF		EA	.	.	.	.	1.00
C 136	106-05020-0020	CAP CER CHIP SERS		EA	.	.	.	.	1.00
C 137	097-00108-0021	CAP EL 1.0UF 50V		EA	.	.	.	.	1.00
C 138	106-04103-0057	CAP CH 10KX7R/100V		EA	.	.	.	.	1.00
C 139	106-04473-0047	CAP CH 47K X7R/50V		EA	.	.	.	.	1.00
C 140	106-04102-0026	CH 1KPF NPO/100V		EA	.	.	.	.	1.00
C 141	106-04103-0057	CAP CH 10KX7R/100V		EA	.	.	.	.	1.00
C 142	106-04103-0057	CAP CH 10KX7R/100V		EA	.	.	.	.	1.00
C 143	106-04103-0057	CAP CH 10KX7R/100V		EA	.	.	.	.	1.00
C 144	097-00108-0021	CAP EL 1.0UF 50V		EA	.	.	.	.	1.00
C 145	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 146	106-04220-0026	CH 22PF NPO/100V		EA	.	.	.	.	1.00
C 147	106-05020-0020	CAP CER CHIP SERS		EA	.	.	.	.	1.00
C 148	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 149	106-04820-0026	CAP CH82PFNPO/100V		EA	.	.	.	.	1.00
C 150	106-04330-0026	CH 33PF NPO/100V		EA	.	.	.	.	1.00
C 151	097-00104-0036	CAP AL 47UF 25V		EA	.	.	.	.	1.00
C 152	097-00108-0021	CAP EL 1.0UF 50V		EA	.	.	.	.	1.00
C 153	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 154	106-04220-0026	CH 22PF NPO/100V		EA	.	.	.	.	1.00
C 155	106-04470-0026	CH 47PF NPO/100V		EA	.	.	.	.	1.00
C 156	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 157	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 158	097-00108-0021	CAP EL 1.0UF 50V		EA	.	.	.	.	1.00
C 159	106-04151-0026	CH 150PF NPO/100V		EA	.	.	.	.	1.00
C 160	106-04104-0047	CH 100KX7R/50V		EA	.	.	.	.	1.00
C 161	106-04102-0026	CH 1KPF NPO/100V		EA	.	.	.	.	1.00
C 162	106-04154-0078	CAP CH 150KZ5U/50V		EA	.	.	.	.	1.00
C 163	106-04104-0047	CH 100KX7R/50V		EA	.	.	.	.	1.00
C 164	106-04102-0026	CH 1KPF NPO/100V		EA	.	.	.	.	1.00
C 165	106-04102-0026	CH 1KPF NPO/100V		EA	.	.	.	.	1.00
C 166	096-01082-0057	CAP TN 1UF 35V		EA	.	.	.	.	1.00
C 167	097-00149-0000	CAP AL 2200UF 25V		EA	1.00	.	1.00	.	.
C 167	097-00149-0001	CAP AL 1000UF 50V		EA	.	1.00	.	1.00	.
C 168	097-00109-0006	CAP EL 100UF 16V		EA	.	.	.	.	1.00
C 169	106-04473-0047	CAP CH 47K X7R/50V		EA	.	.	.	.	1.00
C 170	106-04473-0047	CAP CH 47K X7R/50V		EA	.	.	.	.	1.00
C 171	106-04473-0047	CAP CH 47K X7R/50V		EA	.	.	.	.	1.00
C 172	097-00108-0021	CAP EL 1.0UF 50V		EA	.	.	.	.	1.00
C 173	097-00108-0021	CAP EL 1.0UF 50V		EA	.	.	.	.	1.00
C 174	111-00001-0068	CAP CR .068UF 50V		EA	.	.	.	.	1.00
C 175	111-00001-0003	CAP CR .22UF 50V		EA	.	.	.	.	1.00
C 176	111-00001-0003	CAP CR .22UF 50V		EA	.	.	.	.	1.00
C 177	097-00108-0018	CAP EL 0.22UF		EA	.	.	.	.	1.00
C 178	106-04104-0047	CH 100KX7R/50V		EA	.	.	.	.	1.00
C 179	097-00108-0014	CAP EL 4.7UF 35V		EA	.	.	.	.	1.00
C 180	097-00108-0007	CAP EL 10UF 16V		EA	.	.	.	.	1.00
C 181	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 182	097-00108-0023	CAP EL 3.3UF		EA	.	.	.	.	1.00
C 183	097-00108-0020	CAP EL 0.47UF		EA	.	.	.	.	1.00
C 184	097-00109-0006	CAP EL 100UF 16V		EA	.	.	.	.	1.00
C 185	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 186	097-00108-0007	CAP EL 10UF 16V		EA	.	.	.	.	1.00
C 187	097-00109-0006	CAP EL 100UF 16V		EA	.	.	.	.	1.00
C 188	106-04104-0047	CH 100KX7R/50V		EA	.	.	.	.	1.00
C 189	097-00108-0021	CAP EL 1.0UF 50V		EA	.	.	.	.	1.00
C 190	097-00109-0006	CAP EL 100UF 16V		EA	.	.	.	.	1.00
C 191	097-00108-0022	CAP EL 2.2UF		EA	.	.	.	.	1.00
C 192	999-09999-0098	NOT USED		RF	.	.	.	.	X.
C 193	097-00108-0021	CAP EL 1.0UF 50V		EA	.	.	.	.	1.00
C 194	111-00001-0001	CAP CR .1UF 50V		EA	.	.	.	.	1.00
C 195	097-00104-0036	CAP AL 47UF 25V		EA	.	.	.	.	1.00
C 196	097-00109-0006	CAP EL 100UF 16V		EA	.	.	.	.	1.00
C 197	106-04104-0047	CH 100KX7R/50V		EA	.	.	.	.	1.00
C 198	097-00108-0007	CAP EL 10UF 16V		EA	.	.	.	.	1.00
C 199	097-00104-0036	CAP AL 47UF 25V		EA	.	.	.	.	1.00
C 200	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 201	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00

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SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000	0001	0002	0003	0099
C 202	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 203	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 204	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 205	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 206	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 207	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 208	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 209	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 210	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 211	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 212	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 213	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 214	097-00104-0036	CAP AL 47UF 25V		EA	.	.	.	.	1.00
C 215	097-00108-0015	CAP EL 10UF 35V		EA	.	1.00	.	1.00	.
C 216	097-00104-0036	CAP AL 47UF 25V		EA	.	.	.	.	1.00
C 217	106-04102-0026	CH 1KPF NPO/100V		EA	.	.	.	.	1.00
C 218	106-04222-0057	CAPCH2200PFX7R/100		EA	.	.	.	.	1.00
C 219	097-00108-0007	CAP EL 10UF 16V		EA	.	.	.	.	1.00
C 220	097-00108-0007	CAP EL 10UF 16V		EA	.	.	.	.	1.00
C 221	097-00108-0021	CAP EL 1.0UF 50V		EA	.	.	.	.	1.00
C 222	106-04104-0047	CH 100KX7R/50V		EA	.	.	.	.	1.00
C 223	999-09999-0098	NOT USED		RF	.	.	.	.	X.
C 224	106-04102-0026	CH 1KPF NPO/100V		EA	.	.	.	.	1.00
C 225	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 226	106-04331-0026	CAPCH330PFNPO/100V		EA	.	.	.	.	1.00
C 227	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 228	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 229	106-04102-0026	CH 1KPF NPO/100V		EA	.	.	.	.	1.00
C 230	111-00001-0006	CAP CR .47UF 50V		EA	.	.	.	.	1.00
C 231	106-04221-0026	CAP CH220PFNPO/100		EA	.	.	.	.	1.00
C 232	106-04102-0026	CH 1KPF NPO/100V		EA	.	.	.	.	1.00
C 233	106-04101-0026	CH 100PF NPO/100V		EA	.	.	.	.	1.00
C 235	111-00001-0068	CAP CR .068UF 50V		EA	.	.	.	.	1.00
C 236	111-00001-0026	CAP CR .33UF 50V		EA	.	.	.	.	1.00
C 237	096-01082-0040	CAP TN 3.3UF 35V		EA	.	.	.	.	1.00
C 238	097-00108-0007	CAP EL 10UF 16V		EA	.	.	.	.	1.00
C 239	097-00108-0007	CAP EL 10UF 16V		EA	.	.	.	.	1.00
C 240	999-09999-0098	NOT USED		RF	.	.	.	.	X.
C 241	106-04471-0026	CH 470PF NPO/100V		EA	.	.	.	.	1.00
C 242	106-04471-0026	CH 470PF NPO/100V		EA	.	.	.	.	1.00
C 243	106-04471-0026	CH 470PF NPO/100V		EA	.	.	.	.	1.00
C 244	106-04104-0047	CH 100KX7R/50V		EA	.	.	.	.	1.00
C 245	106-04102-0026	CH 1KPF NPO/100V		EA	.	.	.	.	1.00
C 246	106-04102-0026	CH 1KPF NPO/100V		EA	.	.	.	.	1.00
C 247	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 248	106-04104-0047	CH 100KX7R/50V		EA	.	.	.	.	1.00
C 249	106-04390-0026	CH 39PF NPO/100V		EA	.	.	.	.	1.00
C 250	097-00108-0023	CAP EL 3.3UF		EA	.	.	.	.	1.00
C 251	097-00108-0007	CAP EL 10UF 16V		EA	.	.	.	.	1.00
C 252	106-04391-0026	CH 390PF NPO/100V		EA	.	.	.	.	1.00
C 253	106-04102-0026	CH 1KPF NPO/100V		EA	.	.	.	.	1.00
C 254	106-04270-0026	CH 27PF NPO/100V		EA	1.00	1.00	1.00	1.00	.
C 255	106-04102-0026	CH 1KPF NPO/100V		EA	.	.	.	.	1.00
C 256	106-04102-0026	CH 1KPF NPO/100V		EA	.	.	.	.	1.00
C 257	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 258	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 259	106-04102-0026	CH 1KPF NPO/100V		EA	.	.	.	.	1.00
C 260	106-04103-0057	CAP CH 10KX7R/100V		EA	.	.	.	.	1.00
C 261	106-04821-0016	CAP CH820PFNPO/50V		EA	.	.	.	.	1.00
C 262	106-04104-0047	CH 100KX7R/50V		EA	.	.	.	.	1.00
C 263	106-04104-0047	CH 100KX7R/50V		EA	.	.	.	.	1.00
C 264	106-04821-0016	CAP CH820PFNPO/50V		EA	.	.	.	.	1.00
C 265	097-00108-0007	CAP EL 10UF 16V		EA	.	.	.	.	1.00
C 267	097-00104-0036	CAP AL 47UF 25V		EA	.	.	.	.	1.00
C 268	097-00104-0036	CAP AL 47UF 25V		EA	.	.	.	.	1.00
C 269	097-00108-0007	CAP EL 10UF 16V		EA	.	.	.	.	1.00
C 270	097-00104-0036	CAP AL 47UF 25V		EA	.	.	.	.	1.00
C 271	106-04121-0026	CAPCH120PFNPO/100V		EA	.	.	.	.	1.00
C 272	106-04220-0026	CH 22PF NPO/100V		EA	.	.	.	.	1.00
C 273	106-05829-0020	CAP CER CHIP SERS		EA	.	.	.	.	1.00

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SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000	0001	0002	0003	0099
C 274	106-04104-0047	CH 100KX7R/50V		EA	.	.	.	.	1.00
C 281	106-04104-0078	CAP CH 100KZ5U/50V		EA	.	.	.	.	1.00
C 282	106-04104-0078	CAP CH 100KZ5U/50V		EA	.	.	.	.	1.00
C 284	106-04102-0026	CH 1KPF NPO/100V		EA	.	.	.	.	1.00
C 285	096-01082-0002	CAP TN 1UF 35V		EA	.	.	.	.	1.00
C 286	106-04221-0026	CAP CH220PFNPO/100		EA	.	.	.	.	1.00
CR 101	007-04020-0002	DIO V SMV1163M5		EA	.	.	.	.	1.00
CR 102	007-06181-0000	DIO DUAL MMBD2835		EA	.	.	.	.	1.00
CR 104	007-06223-0000	DIO DA204K		EA	.	.	.	.	1.00
CR 105	007-06222-0000	DIO DAN202K		EA	.	.	.	.	1.00
CR 106	007-06222-0000	DIO DAN202K		EA	.	.	.	.	1.00
CR 107	007-06222-0000	DIO DAN202K		EA	.	.	.	.	1.00
CR 108	007-05039-0002	DIO Z 40.2V		EA	.	.	.	.	1.00
CR 109	007-06222-0000	DIO DAN202K		EA	.	.	.	.	1.00
CR 110	007-06222-0000	DIO DAN202K		EA	.	.	.	.	1.00
CR 111	999-09999-0098	NOT USED		RF	.	.	.	.	X.
CR 112	007-06223-0000	DIO DA204K		EA	.	.	.	.	1.00
CR 113	007-06222-0000	DIO DAN202K		EA	.	.	.	.	1.00
CR 114	007-06181-0000	DIO DUAL MMBD2835		EA	.	.	.	.	1.00
CR 115	007-05117-0017	DIO Z 16V SOT		EA	1.00	1.00	1.00	1.00	.
CR 116	999-09999-0098	NOT USED		RF	.	.	.	.	X.
CR 117	007-06228-0000	RF SWITCHING DIODE		EA	.	.	.	.	1.00
CR 118	007-05117-0023	DIO Z 30V SOT		EA	.	.	.	.	1.00
CR 119	999-09999-0098	NOT USED		RF	.	.	.	.	X.
CR 120	007-06222-0000	DIO DAN202K		EA	.	.	.	.	1.00
CR 121	999-09999-0098	NOT USED		RF	.	.	.	.	X.
CR 122	007-05117-0007	DIO Z 6.2V SOT		EA	.	.	.	.	1.00
CR 123	007-05117-0007	DIO Z 6.2V SOT		EA	.	1.00	.	1.00	.
CR 124	007-06105-0000	DIO HV FDH444		EA	.	.	.	.	1.00
CR 125	007-06222-0000	DIO DAN202K		EA	.	.	.	.	1.00
F 101	036-00014-0000	FUSE 3AG 250V 10A		EA	.	.	.	.	1.00
FL 101	017-00069-0000	FLTR XTAL 8P		EA	1.00	1.00	.	.	.
FL 101	017-00076-0000	FLTR XTAL 11.4MHZ		EA	.	.	1.00	1.00	.
I 101	120-03020-0001	IC IF AMP SO		EA	.	.	.	.	1.00
I 102	120-03020-0001	IC IF AMP SO		EA	.	.	.	.	1.00
I 103	120-03317-0000	SYNTHESIZER CX7925		EA	.	.	.	.	1.00
I 104	120-03094-0032	IC LM340LAZ-5.0		EA	.	.	.	.	1.00
I 105	120-03053-0009	LM358D DUAL OP AMP		EA	.	.	.	.	1.00
I 106	120-03053-0009	LM358D DUAL OP AMP		EA	.	.	.	.	1.00
I 107	120-03127-0011	IC LM2903 SO PKG		EA	.	.	.	.	1.00
I 108	120-03026-0000	IC MC7805CT		EA	.	.	.	.	1.00
I 109	120-03094-0032	IC LM340LAZ-5.0		EA	.	.	.	.	1.00
I 110	999-09999-0098	NOT USED		RF	.	.	.	.	X.
I 111	120-03053-0009	LM358D DUAL OP AMP		EA	.	.	.	.	1.00
I 112	120-03190-0000	AUDIO AMP LM1877N		EA	.	.	.	.	1.00
I 113	120-03053-0009	LM358D DUAL OP AMP		EA	.	.	.	.	1.00
L 101	019-02312-0060	IDCTR V 2.5T		EA	.	.	.	.	1.00
L 102	019-02082-0016	CH 1.5UH 5%		EA	.	.	.	.	1.00
L 103	019-02312-0060	IDCTR V 2.5T		EA	.	.	.	.	1.00
L 104	019-02084-0027	CH 1.8UH 10%		EA	.	.	.	.	1.00
L 105	019-02312-0060	IDCTR V 2.5T		EA	.	.	.	.	1.00
L 106	019-02084-0034	CH 3.9UH 5%		EA	.	.	.	.	1.00
L 107	019-02312-0060	IDCTR V 2.5T		EA	.	.	.	.	1.00
L 108	019-02084-0021	CH 1UH 10%		EA	.	.	.	.	1.00
L 109	019-02209-0000	CHOKE FILTER		EA	.	.	.	.	1.00
L 110	019-08078-0000	COIL TUN 20MH		EA	.	.	.	.	1.00
L 111	013-00028-0001	FERR BEAD W/LEAD		EA	.	.	.	.	1.00
L 112	013-00028-0001	FERR BEAD W/LEAD		EA	.	.	.	.	1.00
L 113	013-00028-0001	FERR BEAD W/LEAD		EA	.	.	.	.	1.00
L 114	013-00028-0001	FERR BEAD W/LEAD		EA	.	1.00	.	1.00	.
L 115	013-00028-0001	FERR BEAD W/LEAD		EA	.	.	.	.	1.00
L 116	013-00028-0001	FERR BEAD W/LEAD		EA	.	.	.	.	1.00
L 117	013-00028-0001	FERR BEAD W/LEAD		EA	.	.	.	.	1.00
L 118	013-00028-0001	FERR BEAD W/LEAD		EA	.	1.00	.	1.00	.
L 119	999-09999-0098	NOT USED		RF	.	.	.	.	X.

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SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000	0001	0002	0003	0099
L 120	013-00028-0001	FERR BEAD W/LEAD		EA	.	.	.	.	1.00
L 121	013-00028-0001	FERR BEAD W/LEAD		EA	.	.	.	.	1.00
L 122	013-00028-0001	FERR BEAD W/LEAD		EA	.	.	.	.	1.00
L 123	013-00028-0001	FERR BEAD W/LEAD		EA	.	.	.	.	1.00
L 124	013-00028-0001	FERR BEAD W/LEAD		EA	.	.	.	.	1.00
L 125	013-00028-0001	FERR BEAD W/LEAD		EA	1.00	.	1.00	.	.
L 126	013-00028-0001	FERR BEAD W/LEAD		EA	.	1.00	.	1.00	.
L 127	013-00028-0001	FERR BEAD W/LEAD		EA	1.00	.	1.00	.	.
L 128	013-00028-0001	FERR BEAD W/LEAD		EA	1.00	.	1.00	.	.
L 129	999-09999-0098	NOT USED		RF	.	.	.	.	X.
L 130	013-00028-0001	FERR BEAD W/LEAD		EA	.	.	.	.	1.00
L 132	019-02084-0027	CH 1.8UH 10%		EA	.	.	.	.	1.00
L 133	019-02084-0017	CH .68UH 10%		EA	.	.	.	.	1.00
L 134	019-02099-0003	CH .047UH 5%		EA	.	.	.	.	1.00
L 135	019-02084-0000	CH .15UH 5%		EA	.	.	.	.	1.00
L 136	019-02084-0005	CH .22UH 10%		EA	.	.	.	.	1.00
Q 101	007-00254-0001	XSTR S PNP SOT-23		EA	.	.	.	.	1.00
Q 102	999-09999-0098	NOT USED		RF	.	.	.	.	X.
Q 103	999-09999-0098	NOT USED		RF	.	.	.	.	X.
Q 104	007-00195-0001	XSTR MPSH10		EA	.	.	.	.	1.00
Q 105	007-00195-0001	XSTR MPSH10		EA	.	.	.	.	1.00
Q 106	007-00195-0001	XSTR MPSH10		EA	.	.	.	.	1.00
Q 107	007-00195-0001	XSTR MPSH10		EA	.	.	.	.	1.00
Q 108	007-00579-0000	XSTR 2SK241		EA	.	.	.	.	1.00
Q 109	007-00195-0001	XSTR MPSH10		EA	.	.	.	.	1.00
Q 110	007-00195-0001	XSTR MPSH10		EA	.	.	.	.	1.00
Q 111	007-00195-0001	XSTR MPSH10		EA	.	.	.	.	1.00
Q 112	007-00187-0002	XSTR SOT-23 2N5089		EA	.	.	.	.	1.00
Q 114	007-00467-0000	XSTR S NPN MMBTA06		EA	.	.	.	.	1.00
Q 115	007-00467-0000	XSTR S NPN MMBTA06		EA	.	.	.	.	1.00
Q 116	007-00813-0000	XSTR NPN S MMBTA14		EA	.	.	.	.	1.00
Q 117	007-00187-0002	XSTR SOT-23 2N5089		EA	.	.	.	.	1.00
Q 118	007-00280-0001	XSTR E175/J175		EA	.	.	.	.	1.00
Q 119	007-00280-0001	XSTR E175/J175		EA	.	.	.	.	1.00
Q 120	007-00280-0001	XSTR E175/J175		EA	.	.	.	.	1.00
Q 121	007-00813-0000	XSTR NPN S MMBTA14		EA	.	.	.	.	1.00
Q 123	007-00078-0001	XSTR S NPN 2N3417		EA	.	.	.	.	1.00
Q 126	007-00250-0000	XSTR 2N4427		EA	.	.	.	.	1.00
Q 127	007-00195-0001	XSTR MPSH10		EA	.	.	.	.	1.00
Q 128	007-00179-0001	XSTR SOT23 2N3904		EA	.	.	.	.	1.00
Q 129	007-00179-0001	XSTR SOT23 2N3904		EA	.	.	.	.	1.00
Q 131	007-00187-0002	XSTR SOT-23 2N5089		EA	.	.	.	.	1.00
Q 132	007-00195-0001	XSTR MPSH10		EA	.	.	.	.	1.00
Q 133	007-00179-0001	XSTR SOT23 2N3904		EA	.	.	.	.	1.00
Q 134	007-00187-0002	XSTR SOT-23 2N5089		EA	.	.	.	.	1.00
Q 135	007-00537-0000	XSTR PNP MMBT5087		EA	.	.	.	.	1.00
Q 136	007-00537-0000	XSTR PNP MMBT5087		EA	.	.	.	.	1.00
Q 137	007-00187-0002	XSTR SOT-23 2N5089		EA	.	.	.	.	1.00
Q 138	007-00179-0001	XSTR SOT23 2N3904		EA	.	.	.	.	1.00
Q 139	007-00383-0004	SOT-23 2N2222A XST		EA	.	.	.	.	1.00
Q 140	007-00187-0002	XSTR SOT-23 2N5089		EA	.	.	.	.	1.00
Q 141	007-00187-0002	XSTR SOT-23 2N5089		EA	.	.	.	.	1.00
R 101	130-05000-0025	RES CHIP 0 EW CJ		EA	.	.	.	.	1.00
R 102	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 103	139-01211-0000	RES CHIP1.21KEW1%		EA	.	.	.	.	1.00
R 104	139-04750-0000	RES CH 475 EW 1%		EA	.	1.00	.	1.00	.
R 105	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 106	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	.	.	1.00
R 107	139-01003-0000	RES CHIP 100KEW1%		EA	.	.	.	.	1.00
R 108	139-01003-0000	RES CHIP 100KEW1%		EA	.	.	.	.	1.00
R 109	139-00475-0000	RES CH 47.5 EW 1%		EA	.	.	.	.	1.00
R 110	139-05622-0000	RES CH 56.2K EW 1%		EA	.	.	.	.	1.00
R 111	139-04322-0000	RES CHIP 43.2KEW1%		EA	.	.	.	.	1.00
R 112	139-05622-0000	RES CH 56.2K EW 1%		EA	.	.	.	.	1.00
R 113	139-02000-0000	RES CH 200 EW 1%		EA	.	.	.	.	1.00
R 114	139-01000-0000	RES CHIP 100 EW 1%		EA	.	.	.	.	1.00
R 115	139-01003-0000	RES CHIP 100KEW1%		EA	.	.	.	.	1.00
R 116	139-01003-0000	RES CHIP 100KEW1%		EA	.	.	.	.	1.00

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SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000	0001	0002	0003	0099
R 117	139-05622-0000	RES CH 56.2K EW 1%		EA	.	.	.	.	1.00
R 118	139-05112-0000	RES CHIP 51.1K 1%		EA	.	.	.	.	1.00
R 119	139-03320-0000	RES CHIP 332 EW 1%		EA	.	.	.	.	1.00
R 120	139-01000-0000	RES CHIP 100 EW 1%		EA	.	.	.	.	1.00
R 121	139-01003-0000	RES CHIP 100KEW1%		EA	.	.	.	.	1.00
R 122	139-01003-0000	RES CHIP 100KEW1%		EA	.	.	.	.	1.00
R 123	139-00100-0000	RES CHIP 10 EW 1%		EA	.	.	.	.	1.00
R 124	139-01212-0000	RES CHIP 12.1K1%EW		EA	.	.	.	.	1.00
R 125	139-00100-0000	RES CHIP 10 EW 1%		EA	.	.	.	.	1.00
R 126	139-02212-0000	RES CHIP 22.1KEW1%		EA	.	.	.	.	1.00
R 127	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 128	139-01101-0000	RES CH 1.1K EW 1%		EA	.	.	.	.	1.00
R 129	139-09090-0000	RES CHIP 909 EW 1%		EA	.	.	.	.	1.00
R 130	139-00562-0000	RES CH 56.2 EW 1%		EA	.	.	.	.	1.00
R 131	139-01000-0000	RES CHIP 100 EW 1%		EA	.	.	.	.	1.00
R 132	139-02002-0000	RES CHIP 20.0KEW1%		EA	.	.	.	.	1.00
R 133	139-03010-0000	RES CHIP 301 EW 1%		EA	.	.	.	.	1.00
R 134	139-01502-0000	RES CHIP 15K EW 1%		EA	.	.	.	.	1.00
R 135	139-01820-0000	RES CH 182 EW 1%		EA	.	.	.	.	1.00
R 136	139-01003-0000	RES CHIP 100KEW1%		EA	.	.	.	.	1.00
R 137	139-02000-0000	RES CH 200 EW 1%		EA	.	.	.	.	1.00
R 138	139-01003-0000	RES CHIP 100KEW1%		EA	.	.	.	.	1.00
R 139	139-04753-0000	RES CH 475K EW 1%		EA	.	.	.	.	1.00
R 140	139-03320-0000	RES CHIP 332 EW 1%		EA	.	.	.	.	1.00
R 141	139-04750-0000	RES CH 475 EW 1%		EA	.	.	.	.	1.00
R 142	139-03322-0000	RES CH 33.2K EW 1%		EA	.	.	.	.	1.00
R 143	139-08251-0000	RES CH8.25 KEW 1%		EA	.	.	.	.	1.00
R 144	139-01001-0000	RES CHIP 1K EW 1%		EA	.	.	.	.	1.00
R 145	139-05110-0000	RES CH 511 EW 1%		EA	.	.	.	.	1.00
R 146	139-03322-0000	RES CH 33.2K EW 1%		EA	.	.	.	.	1.00
R 147	139-03320-0000	RES CHIP 332 EW 1%		EA	.	.	.	.	1.00
R 148	139-08251-0000	RES CH8.25 KEW 1%		EA	.	.	.	.	1.00
R 149	139-01000-0000	RES CHIP 100 EW 1%		EA	.	.	.	.	1.00
R 150	139-01000-0000	RES CHIP 100 EW 1%		EA	.	.	.	.	1.00
R 151	139-01000-0000	RES CHIP 100 EW 1%		EA	.	.	.	.	1.00
R 152	139-03922-0000	RES CH 39.2K EW 1%		EA	.	.	.	.	1.00
R 153	139-01212-0000	RES CHIP 12.1K1%EW		EA	.	.	.	.	1.00
R 154	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	.	.	1.00
R 155	139-03922-0000	RES CH 39.2K EW 1%		EA	.	.	.	.	1.00
R 156	139-01212-0000	RES CHIP 12.1K1%EW		EA	.	.	.	.	1.00
R 157	139-01003-0000	RES CHIP 100KEW1%		EA	.	.	.	.	1.00
R 158	139-06812-0000	RES 68.1K EW 1%		EA	.	.	.	.	1.00
R 159	139-02212-0000	RES CHIP 22.1KEW1%		EA	.	.	.	.	1.00
R 160	139-03322-0000	RES CH 33.2K EW 1%		EA	.	.	.	.	1.00
R 161	139-03921-0000	RES CH 3.92K EW 1%		EA	.	.	.	.	1.00
R 162	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 163	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 164	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	.	.	1.00
R 165	139-03322-0000	RES CH 33.2K EW 1%		EA	.	.	.	.	1.00
R 166	139-01003-0000	RES CHIP 100KEW1%		EA	.	.	.	.	1.00
R 167	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 168	139-01103-0000	RES CHIP 110K EW1%		EA	.	.	.	.	1.00
R 169	139-04751-0000	RES CH 4.75K EW 1%		EA	.	.	.	.	1.00
R 170	139-01102-0000	RES 11K EW 1%		EA	.	.	.	.	1.00
R 171	139-03010-0000	RES CHIP 301 EW 1%		EA	.	.	.	.	1.00
R 172	999-09999-0098	NOT USED		RF	.	.	.	.	X.
R 173	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 174	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	.	.	1.00
R 175	139-03652-0000	RES CHIP 36.5KEW1%		EA	.	.	.	.	1.00
R 176	133-00351-0004	POTENTIOMETER 10K		EA	.	.	.	.	1.00
R 177	139-02742-0000	RES CHIP 27.4KEW1%		EA	.	.	.	.	1.00
R 178	139-05111-0000	RES CHIP 5.11KEW1%		EA	.	.	.	.	1.00
R 179	139-05111-0000	RES CHIP 5.11KEW1%		EA	.	.	.	.	1.00
R 180	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 181	139-04753-0000	RES CH 475K EW 1%		EA	.	.	.	.	1.00
R 182	139-07500-0000	RES CHIP 750 EW 1%		EA	.	.	.	.	1.00
R 183	139-03922-0000	RES CH 39.2K EW 1%		EA	.	.	.	.	1.00
R 184	133-00351-0005	POTENTIOMETER 22K		EA	.	.	.	.	1.00
R 185	139-03322-0000	RES CH 33.2K EW 1%		EA	.	.	.	.	1.00
R 186	139-02002-0000	RES CHIP 20.0KEW1%		EA	.	.	.	.	1.00
R 187	139-01242-0000	RES CHIP 12.4KEW1%		EA	.	.	.	.	1.00

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SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000	0001	0002	0003	0099
R 188	139-01822-0000	RES CHIP 18.2KEW1%		EA	.	.	.	.	1.00
R 189	133-00351-0004	POTENTIOMETER 10K		EA	.	.	.	.	1.00
R 190	139-02212-0000	RES CHIP 22.1KEW1%		EA	.	.	.	.	1.00
R 191	139-01001-0000	RES CHIP 1K EW 1%		EA	.	.	.	.	1.00
R 192	139-05620-0000	RES CH 562 EW 1%		EA	.	.	.	.	1.00
R 193	131-00012-0033	RES CF 1.2 HW 5%		EA	.	.	.	.	1.00
R 194	139-01001-0000	RES CHIP 1K EW 1%		EA	.	.	.	.	1.00
R 195	139-05110-0000	RES CH 511 EW 1%		EA	.	.	.	.	1.00
R 196	139-04751-0000	RES CH 4.75K EW 1%		EA	.	.	.	.	1.00
R 197	999-09999-0098	NOT USED		RF	.	.	.	.	X.
R 198	139-02000-0000	RES CH 200 EW 1%		EA	.	.	.	.	1.00
R 199	139-06193-0000	RES CH 619KEW 1%		EA	.	.	.	.	1.00
R 200	139-04751-0000	RES CH 4.75K EW 1%		EA	.	.	.	.	1.00
R 201	139-02001-0000	RES CHIP 2K EW 1%		EA	.	.	.	.	1.00
R 202	139-02743-0000	RES CH 274K EW 1%		EA	.	.	.	.	1.00
R 203	139-04750-0000	RES CH 475 EW 1%		EA	1.00	.	1.00	.	.
R 204	139-02431-0000	RES CH 2.43K EW 1%		EA	.	.	.	.	1.00
R 205	139-04751-0000	RES CH 4.75K EW 1%		EA	.	.	.	.	1.00
R 206	139-04751-0000	RES CH 4.75K EW 1%		EA	.	.	.	.	1.00
R 207	139-09091-0000	RES CH 9.09K EW 1%		EA	.	.	.	.	1.00
R 208	139-01332-0000	RES CHIP 13.3KEW1%		EA	.	.	.	.	1.00
R 209	139-04753-0000	RES CH 475K EW 1%		EA	.	.	.	.	1.00
R 210	139-02741-0000	RES CH 2.74K EW 1%		EA	.	.	.	.	1.00
R 211	139-02003-0000	RES CHIP 200KEW1%		EA	.	.	.	.	1.00
R 212	139-04753-0000	RES CH 475K EW 1%		EA	.	.	.	.	1.00
R 213	139-02212-0000	RES CHIP 22.1KEW1%		EA	.	.	.	.	1.00
R 214	999-09999-0098	NOT USED		RF	.	.	.	.	X.
R 215	139-01001-0000	RES CHIP 1K EW 1%		EA	.	.	.	.	1.00
R 216	139-01102-0000	RES 11K EW 1%		EA	.	.	.	.	1.00
R 217	139-03010-0000	RES CHIP 301 EW 1%		EA	.	.	.	.	1.00
R 218	139-01000-0000	RES CHIP 100 EW 1%		EA	.	.	.	.	1.00
R 219	139-01001-0000	RES CHIP 1K EW 1%		EA	.	.	.	.	1.00
R 220	139-01001-0000	RES CHIP 1K EW 1%		EA	.	.	.	.	1.00
R 221	133-00351-0004	POTENTIOMETER 10K		EA	.	.	.	.	1.00
R 222	139-01501-0000	RES CH 1.5K EW 1%		EA	.	.	.	.	1.00
R 223	139-03922-0000	RES CH 39.2K EW 1%		EA	.	.	.	.	1.00
R 224	130-05101-0033	RES CH 100 QW 5%		EA	.	.	.	.	1.00
R 225	139-04750-0000	RES CH 475 EW 1%		EA	.	.	.	.	1.00
R 226	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	.	.	1.00
R 227	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	.	.	1.00
R 228	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	.	.	1.00
R 229	139-00150-0000	RES CH 15 EW 1%		EA	.	.	.	.	1.00
R 230	139-04751-0000	RES CH 4.75K EW 1%		EA	.	.	.	.	1.00
R 231	139-01004-0000	RES CHIP 1M EW 1%		EA	.	.	.	.	1.00
R 232	139-01001-0000	RES CHIP 1K EW 1%		EA	.	.	.	.	1.00
R 233	139-02432-0000	RES CH 24.3K EW 1%		EA	.	.	.	.	1.00
R 234	139-02432-0000	RES CH 24.3K EW 1%		EA	.	.	.	.	1.00
R 235	139-03011-0000	RES CH 3.01K EW 1%		EA	.	.	.	.	1.00
R 236	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 237	139-04753-0000	RES CH 475K EW 1%		EA	.	.	.	.	1.00
R 238	139-04753-0000	RES CH 475K EW 1%		EA	.	.	.	.	1.00
R 239	139-02212-0000	RES CHIP 22.1KEW1%		EA	.	.	.	.	1.00
R 240	139-00221-0000	RES CH 22.1 EW 1%		EA	.	.	.	.	1.00
R 241	139-01001-0000	RES CHIP 1K EW 1%		EA	.	.	.	.	1.00
R 242	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 243	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 244	139-02432-0000	RES CH 24.3K EW 1%		EA	.	.	.	.	1.00
R 245	139-05621-0000	RES CHIP 5.62KEW1%		EA	.	.	.	.	1.00
R 246	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 247	139-02000-0000	RES CH 200 EW 1%		EA	.	.	.	.	1.00
R 248	130-05000-0025	RES CHIP 0 EW CJ		EA	.	1.00	.	1.00	.
R 249	139-01000-0000	RES CHIP 100 EW 1%		EA	1.00	.	1.00	.	.
R 250	139-02212-0000	RES CHIP 22.1KEW1%		EA	1.00	1.00	1.00	1.00	.
R 251	139-01502-0000	RES CHIP 15K EW 1%		EA	.	1.00	.	1.00	.
R 251	139-09091-0000	RES CH 9.09K EW 1%		EA	1.00	.	1.00	.	.
R 252	131-00162-0033	RES CF 1.6K HW 5%		EA	.	1.00	.	1.00	.
R 252	131-00182-0033	RES CF 1.8K HW 5%		EA	1.00	.	1.00	.	.
R 253	139-01500-0000	RES CH 150 EW 1%		EA	.	.	.	.	1.00
R 255	999-09999-0098	NOT USED		RF	.	.	.	.	X.
R 256	133-00351-0004	POTENTIOMETER 10K		EA	1.00	.	1.00	.	.
R 256	133-00351-0005	POTENTIOMETER 22K		EA	.	1.00	.	1.00	.

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SYMBOL	PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000	0001	0002	0003	0099
R 257	139-03321-0000	RES CHIP 3.32K EW		EA	.	.	.	.	1.00
R 258	139-01502-0000	RES CHIP 15K EW 1%		EA	.	.	.	.	1.00
R 259	130-05000-0025	RES CHIP 0 EW CJ		EA	1.00	.	1.00	.	.
R 260	130-05000-0025	RES CHIP 0 EW CJ		EA	1.00	.	1.00	.	.
R 261	130-05000-0025	RES CHIP 0 EW CJ		EA	.	1.00	.	1.00	.
R 262	139-00100-0000	RES CHIP 10 EW 1%		EA	.	.	.	.	1.00
R 263	139-00100-0000	RES CHIP 10 EW 1%		EA	.	.	.	.	1.00
R 264	139-04751-0000	RES CH 4.75K EW 1%		EA	.	.	.	.	1.00
R 265	139-04751-0000	RES CH 4.75K EW 1%		EA	.	.	.	.	1.00
R 266	139-01821-0000	RES CHIP 1.82KEW1%		EA	.	.	.	.	1.00
R 267	133-00351-0003	POTENTIOMETER 4.7K		EA	.	.	.	.	1.00
R 268	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 269	139-02001-0000	RES CHIP 2K EW 1%		EA	.	.	.	.	1.00
R 270	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 271	999-09999-0098	NOT USED		RF	.	.	.	.	X.
R 272	132-05051-0000	RES WW .15 2W 5%		EA	.	1.00	.	1.00	.
R 273	132-05051-0000	RES WW .15 2W 5%		EA	.	1.00	.	1.00	.
R 274	139-01000-0000	RES CHIP 100 EW 1%		EA	.	.	.	.	1.00
R 275	139-02210-0000	RES CH 221 EW 1%		EA	.	.	.	.	1.00
R 276	139-03651-0000	RESCH 3.65K 8EW 1%		EA	.	.	.	.	1.00
R 277	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 278	139-03321-0000	RES CHIP 3.32K EW		EA	.	.	.	.	1.00
R 279	139-02210-0000	RES CH 221 EW 1%		EA	.	.	.	.	1.00
R 280	139-06810-0000	RES CH 681 EW 1%		EA	.	.	.	.	1.00
R 281	139-02210-0000	RES CH 221 EW 1%		EA	.	.	.	.	1.00
R 282	139-01001-0000	RES CHIP 1K EW 1%		EA	.	.	.	.	1.00
R 283	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 284	139-03321-0000	RES CHIP 3.32K EW		EA	.	.	.	.	1.00
R 285	999-09999-0098	NOT USED		RF	.	.	.	.	X.
R 286	139-04753-0000	RES CH 475K EW 1%		EA	.	.	.	.	1.00
R 287	139-01502-0000	RES CHIP 15K EW 1%		EA	.	.	.	.	1.00
R 288	139-01000-0000	RES CHIP 100 EW 1%		EA	.	.	.	.	1.00
R 289	139-05620-0000	RES CH 562 EW 1%		EA	.	.	.	.	1.00
R 290	139-01000-0000	RES CHIP 100 EW 1%		EA	.	.	.	.	1.00
R 291	139-01000-0000	RES CHIP 100 EW 1%		EA	.	.	.	.	1.00
R 292	139-01000-0000	RES CHIP 100 EW 1%		EA	.	.	.	.	1.00
R 293	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	.	.	1.00
R 294	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	.	.	1.00
R 295	139-01001-0000	RES CHIP 1K EW 1%		EA	.	.	.	.	1.00
R 296	130-05000-0025	RES CHIP 0 EW CJ		EA	.	.	.	.	1.00
R 297	139-01001-0000	RES CHIP 1K EW 1%		EA	.	.	.	.	1.00
R 298	139-04750-0000	RES CH 475 EW 1%		EA	.	.	.	.	1.00
R 299	139-02210-0000	RES CH 221 EW 1%		EA	.	.	.	.	1.00
R 1001	139-02432-0000	RES CH 24.3K EW 1%		EA	.	.	.	.	1.00
R 1002	139-03011-0000	RES CH 3.01K EW 1%		EA	.	.	.	.	1.00
R 1003	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	.	.	1.00
R 1004	139-01003-0000	RES CHIP 100KEW1%		EA	.	.	.	.	1.00
R 1005	139-05110-0000	RES CH 511 EW 1%		EA	.	.	.	.	1.00
R 1006	139-00200-0000	RES CH 20.0 EW 1%		EA	.	.	.	.	1.00
R 1007	139-04752-0000	RES CH 47.5K EW 1%		EA	.	.	.	.	1.00
R 1009	133-00351-0004	POTENTIOMETER 10K		EA	.	.	.	.	1.00
R 1010	139-01001-0000	RES CHIP 1K EW 1%		EA	.	.	.	.	1.00
R 1011	139-02211-0000	RES CH 2.21K EW 1%		EA	.	.	.	.	1.00
R 1012	139-02741-0000	RES CH 2.74K EW 1%		EA	.	.	.	.	1.00
R 1013	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 1014	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 1015	139-01002-0000	RES CHIP 10K EW 1%		EA	.	.	.	.	1.00
R 1016	139-02210-0000	RES CH 221 EW 1%		EA	.	.	.	.	1.00
R 1017	139-01211-0000	RES CHIP1.21KEW1%		EA	.	1.00	.	1.00	.
R 1018	130-05000-0025	RES CHIP 0 EW CJ		EA	1.00	.	1.00	.	.
R 1019	139-00750-0000	RES CH 75.0 EW 1%		EA	.	.	.	.	1.00
R 1020	139-01003-0000	RES CHIP 100KEW1%		EA	.	.	.	.	1.00
R 1021	130-05027-0033	RES CH 2.7 QW 5%		EA	.	.	.	.	1.00
R 1022	130-05000-0025	RES CHIP 0 EW CJ		EA	.	.	.	.	1.00
R 1023	130-05027-0033	RES CH 2.7 QW 5%		EA	.	.	.	.	1.00
REF 1	300-07799-0000	MAIN BD ASSY 14V		RF	X.	.	X.	.	.
REF 1	300-07799-0001	MAIN BD ASSY 28V		RF	.	X.	.	X.	.
REF 2	002-07799-0000	SCH MAIN BD		RF	.	.	.	.	X.

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SYMBOL		PART NUMBER	DESCRIPTION	A	UM	QUANTITY 0000	0001	0002	0003	0099
T	101	019-08079-0000	XFMR IF		EA	.	.	.	.	1.00
T	102	019-08080-0000	XFMR IF 15PF		EA	.	.	.	.	1.00
T	103	019-08102-0000	XFMR IF 27PF		EA	.	.	.	.	1.00
T	104	019-08103-0000	XFMR IF		EA	.	.	.	.	1.00
T	105	019-02328-0081	3.5 TURN CT		EA	.	.	.	.	1.00
T	106	999-09999-0098	NOT USED		RF	.	.	.	.	X.
T	107	019-05083-0000	XFMR AUD		EA	.	.	.	.	1.00
T	108	019-05084-0001	XFMR MOD 900T		EA	.	.	.	.	1.00
T	109	999-09999-0098	NOT USED		RF	.	.	.	.	X.
T	110	999-09999-0098	NOT USED		RF	.	.	.	.	X.
TP	101	008-00096-0001	TERMINAL TEST PNT		EA	.	.	.	.	1.00
TP	102	008-00096-0001	TERMINAL TEST PNT		EA	.	.	.	.	1.00
TP	103	008-00096-0001	TERMINAL TEST PNT		EA	.	.	.	.	1.00
TP	104	008-00096-0001	TERMINAL TEST PNT		EA	.	.	.	.	1.00
TP	105	008-00096-0001	TERMINAL TEST PNT		EA	.	.	.	.	1.00
TP	106	008-00096-0001	TERMINAL TEST PNT		EA	.	.	.	.	1.00
TP	107	008-00096-0001	TERMINAL TEST PNT		EA	.	.	.	.	1.00
TP	108	008-00096-0001	TERMINAL TEST PNT		EA	.	.	.	.	1.00
TP	109	008-00096-0001	TERMINAL TEST PNT		EA	.	.	.	.	1.00
TP	110	008-00096-0001	TERMINAL TEST PNT		EA	.	.	.	.	1.00
TP	112	008-00096-0001	TERMINAL TEST PNT		EA	.	.	.	.	1.00
TP	114	008-00096-0001	TERMINAL TEST PNT		EA	.	.	.	.	1.00
TP	115	008-00096-0001	TERMINAL TEST PNT		EA	.	.	.	.	1.00
Y	101	044-00272-0000	3.975 MHZ X-TAL		EA	.	.	.	.	1.00

THIS PAGE RESERVED

200-07799-0020 97A MNBD 25K FUJI REV D
200-07799-0021 96A MN BD 25K FUJI REV D
200-07799-0022 97A MN BD 50K FUJI REV B
200-07799-0099 COMMON BOM REV CK

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0020	-0021	-0022	-0099
A101	200-08777-0010		SONY REPLACEMENT	EA	1.00	1.00	1.00	.
C101	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C102	106-05399-0020		CH 3.9PF NPO/100V	EA	.	.	.	1.00
C103	106-05479-0020		CH 4.7PF NPO/100V	EA	.	.	.	1.00
C104	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C105	106-04471-0026		CH 470PF NPO/100V	EA	.	.	.	1.00
C107	106-04221-0026		CAP CH220PFNPO/100	EA	.	.	.	1.00
C108	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C109	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C110	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C111	106-04682-0057		CAPCH6800PFX7R/100	EA	.	.	.	1.00
C112	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C113	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C114	106-05689-0020		CH 6.8PF NPO/100V	EA	.	.	.	1.00
C115	106-05030-0020		CH 3.0PF NPO/100V	EA	.	.	.	1.00
C116	106-04471-0026		CH 470PF NPO/100V	EA	.	.	.	1.00
C117	106-04471-0026		CH 470PF NPO/100V	EA	.	.	.	1.00
C118	106-05060-0020		CH 6PF NPO 100V	EA	.	.	.	1.00
C119	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
C120	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C121	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C122	106-00146-1R2B		CAP PORC 1.2PF 500	EA	1.00	1.00	.	.
C123	106-00146-1R2B		CAP PORC 1.2PF 500	EA	1.00	1.00	.	.
C124	106-00146-1R2B		CAP PORC 1.2PF 500	EA	1.00	1.00	.	.
C125	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C126	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C127	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C128	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C129	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C130	106-04392-0057		CAPCH3900PFX7R/100	EA	.	.	.	1.00
C131	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C132	106-04470-0026		CAPCH 47PFNPO/100V	EA	.	.	.	1.00
C133	106-04470-0026		CAPCH 47PFNPO/100V	EA	.	.	.	1.00
C134	102-00085-0000		CAP VAR SURF MTG	EA	.	.	.	1.00
C135	097-00108-0020		CAP EL 0.47UF	EA	.	.	.	1.00
C136	106-05020-0020		CH 2PF NPO 100V	EA	.	.	.	1.00
C137	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C138	106-04103-0057		CAP CH 10KX7R/100V	EA	.	.	.	1.00
C139	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C140	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C144	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C145	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C146	106-04220-0026		CH 22PF NPO/100V	EA	.	.	.	1.00
C147	106-05020-0020		CH 2PF NPO 100V	EA	.	.	.	1.00
C148	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C149	106-04820-0026		CAP CH82PFNPO/100V	EA	.	.	.	1.00
C150	106-04330-0026		CH 33PF NPO/100V	EA	.	.	.	1.00
C151	097-00104-0036		CAP AL 47UF 25V	EA	.	.	.	1.00
C152	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C153	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C154	106-04220-0026		CH 22PF NPO/100V	EA	.	.	.	1.00
C155	106-04470-0026		CAPCH 47PFNPO/100V	EA	.	.	.	1.00
C156	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C157	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C158	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C159	106-04151-0026		CH 150PF NPO/100V	EA	.	.	.	1.00
C160	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C161	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C162	106-04154-0078		CAP CH 150KZ5U/50V	EA	.	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0020	-0021	-0022	-0099
C163	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C164	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C165	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C166	096-01082-0057		CAP TN 1UF 35V	EA	.	.	.	1.00
C167	097-00149-0000		CAP AL 2200UF 25V	EA	1.00	.	1.00	.
C167	097-00149-0001		CAP AL 1000UF 50V	EA	.	1.00	.	.
C168	097-00109-0006		CAP EL 100UF 16V	EA	.	.	.	1.00
C169	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C170	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C171	106-04473-0047		CAP CH 47K X7R/50V	EA	.	.	.	1.00
C172	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C173	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C174	111-00001-0068		CAP CR .068UF 50V	EA	.	.	.	1.00
C175	111-00001-0003		CAP CR .22UF 50V	EA	.	.	.	1.00
C176	111-00001-0003		CAP CR .22UF 50V	EA	.	.	.	1.00
C177	097-00108-0018		CAP EL 0.22UF	EA	.	.	.	1.00
C178	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C179	097-00108-0014		CAP EL 4.7UF 35V	EA	.	.	.	1.00
C180	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C181	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C182	097-00108-0023		CAP EL 3.3UF	EA	.	.	.	1.00
C183	097-00108-0020		CAP EL 0.47UF	EA	.	.	.	1.00
C184	097-00109-0006		CAP EL 100UF 16V	EA	.	.	.	1.00
C185	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C186	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C187	097-00109-0006		CAP EL 100UF 16V	EA	.	.	.	1.00
C188	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C189	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C190	097-00109-0006		CAP EL 100UF 16V	EA	.	.	.	1.00
C191	097-00108-0022		CAP EL 2.2UF	EA	.	.	.	1.00
C192	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
C193	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C194	111-00001-0001		CAP CR .1UF 50V	EA	.	.	.	1.00
C195	097-00104-0036		CAP AL 47UF 25V	EA	.	.	.	1.00
C196	097-00109-0006		CAP EL 100UF 16V	EA	.	.	.	1.00
C197	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C198	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C199	097-00104-0036		CAP AL 47UF 25V	EA	.	.	.	1.00
C200	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C201	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C202	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C203	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C204	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C205	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C206	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C207	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C208	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C209	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C210	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C211	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C212	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C213	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C214	097-00104-0036		CAP AL 47UF 25V	EA	.	.	.	1.00
C215	097-00108-0015		CAP EL 10UF 35V	EA	.	1.00	.	.
C216	097-00104-0036		CAP AL 47UF 25V	EA	.	.	.	1.00
C217	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C218	106-04222-0057		CAPCH2200PFX7R/100	EA	.	.	.	1.00
C219	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C220	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C221	097-00108-0021		CAP EL 1.0UF 50V	EA	.	.	.	1.00
C222	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C223	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
C224	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0020	-0021	-0022	-0099
C225	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C226	106-04331-0026		CAPCH330PFNPO/100V	EA	.	.	.	1.00
C227	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C228	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C229	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C230	111-00001-0006		CAP CR .47UF 50V	EA	.	.	.	1.00
C231	106-04221-0026		CAP CH220PFNPO/100	EA	.	.	.	1.00
C232	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C233	106-04101-0026		CH 100PF NPO/100V	EA	.	.	.	1.00
C236	111-00001-0026		CAP CR .33UF 50V	EA	.	.	.	1.00
C237	096-01082-0040		CAP TN 3.3UF 35V	EA	.	.	.	1.00
C238	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C239	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C240	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
C241	106-04471-0026		CH 470PF NPO/100V	EA	.	.	.	1.00
C242	106-04471-0026		CH 470PF NPO/100V	EA	.	.	.	1.00
C243	106-04471-0026		CH 470PF NPO/100V	EA	.	.	.	1.00
C244	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C245	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C246	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C247	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C248	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C249	106-04390-0026		CH 39PF NPO/100V	EA	.	.	.	1.00
C250	097-00108-0023		CAP EL 3.3UF	EA	.	.	.	1.00
C251	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C252	106-04391-0026		CH 390PF NPO/100V	EA	.	.	.	1.00
C253	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C254	106-04270-0026		CH 27PF NPO/100V	EA	1.00	1.00	1.00	.
C255	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C256	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C257	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C258	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C259	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C260	106-04103-0057		CAP CH 10KX7R/100V	EA	.	.	.	1.00
C261	106-04821-0016		CAP CH820PFNPO/50V	EA	.	.	.	1.00
C262	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C263	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C264	106-04821-0016		CAP CH820PFNPO/50V	EA	.	.	.	1.00
C265	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C267	097-00104-0036		CAP AL 47UF 25V	EA	.	.	.	1.00
C268	097-00104-0036		CAP AL 47UF 25V	EA	.	.	.	1.00
C269	097-00108-0007		CAP EL 10UF 16V	EA	.	.	.	1.00
C270	097-00104-0036		CAP AL 47UF 25V	EA	.	.	.	1.00
C271	106-04121-0026		CAPCH120PFNPO/100V	EA	.	.	.	1.00
C272	106-04220-0026		CH 22PF NPO/100V	EA	.	.	.	1.00
C273	106-04829-0020		CAP CH 8.2 NPO/100	EA	.	.	.	1.00
C274	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C281	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C282	106-04104-0047		CH 100KX7R/50V	EA	.	.	.	1.00
C284	106-04102-0026		CH 1KPF NPO/100V	EA	.	.	.	1.00
C285	096-01082-0002		CAP TN 1UF 35V	EA	.	.	.	1.00
C286	106-04221-0026		CAP CH220PFNPO/100	EA	.	.	.	1.00
C287	106-04331-0026		CAPCH330PFNPO/100V	EA	.	.	.	1.00
C288	106-04121-0026		CAPCH120PFNPO/100V	EA	1.00	1.00	1.00	.
CR101	007-04020-0005		MS5 VARACTOR DIODE	EA	.	.	.	1.00
CR102	007-06181-0000		DIO DUAL MMBD2835	EA	.	.	.	1.00
CR104	007-06223-0000		DIO DUAL SWITCHING	EA	.	.	.	1.00
CR105	007-06222-0000		DIO DAN202K	EA	.	.	.	1.00
CR106	007-06222-0000		DIO DAN202K	EA	.	.	.	1.00
CR107	007-06222-0000		DIO DAN202K	EA	.	.	.	1.00
CR108	007-05039-0002		DIO Z 40.2V	EA	.	.	.	1.00
CR109	007-06222-0000		DIO DAN202K	EA	.	.	.	1.00
CR110	007-06222-0000		DIO DAN202K	EA	.	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0020	-0021	-0022	-0099
CR111	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
CR112	007-06223-0000		DIO DUAL SWITCHING	EA	.	.	.	1.00
CR113	007-06222-0000		DIO DAN202K	EA	.	.	.	1.00
CR114	007-06181-0000		DIO DUAL MMBD2835	EA	.	.	.	1.00
CR115	007-05117-0017		DIO Z 16V SOT	EA	1.00	1.00	1.00	.
CR116	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
CR117	007-06228-0000		RF SWITCHING DIODE	EA	.	.	.	1.00
CR118	007-05117-0023		DIO Z 30V SOT	EA	.	.	.	1.00
CR119	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
CR120	007-06222-0000		DIO DAN202K	EA	.	.	.	1.00
CR121	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
CR122	007-05117-0007		DIO Z 6.2V SOT	EA	.	.	.	1.00
CR123	007-05117-0007		DIO Z 6.2V SOT	EA	.	1.00	.	.
CR124	007-06105-0000		DIO HV FDH444	EA	.	.	.	1.00
CR125	007-06222-0000		DIO DAN202K	EA	.	.	.	1.00
F101	036-00014-0000		FUSE 3AG 250V 10A	EA	.	.	.	1.00
FL101	017-00069-0000		FLTR XTAL 8P	EA	1.00	1.00	.	.
FL101	017-00076-0000		FLTR XTAL 11.4MHZ	EA	.	.	1.00	.
I101	120-03020-0001		IC IF AMP SO	EA	.	.	.	1.00
I102	120-03020-0001		IC IF AMP SO	EA	.	.	.	1.00
I104	120-03094-0032		IC LM340LAZ-5.0	EA	.	.	.	1.00
I105	120-03053-0009		LM358D DUAL OP AMP	EA	.	.	.	1.00
I106	120-03053-0009		LM358D DUAL OP AMP	EA	.	.	.	1.00
I107	120-03127-0011		IC LM2903 SO PKG	EA	.	.	.	1.00
I108	120-03026-0000		IC MC7805CT	EA	.	.	.	1.00
I109	120-03094-0032		IC LM340LAZ-5.0	EA	.	.	.	1.00
I110	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
I111	120-03053-0009		LM358D DUAL OP AMP	EA	.	.	.	1.00
I112	120-03190-0000		AUDIO AMP LM1877N-	EA	.	.	.	1.00
I113	120-03053-0009		LM358D DUAL OP AMP	EA	.	.	.	1.00
L101	019-02312-0060		IDCTR V 2.5T	EA	.	.	.	1.00
L102	019-02084-0024		CH 1.5UH 5%	EA	.	.	.	1.00
L103	019-02312-0060		IDCTR V 2.5T	EA	.	.	.	1.00
L104	019-02084-0027		CH 1.8UH 10%	EA	.	.	.	1.00
L105	019-02312-0060		IDCTR V 2.5T	EA	.	.	.	1.00
L106	019-02084-0034		CH 3.9UH 5%	EA	.	.	.	1.00
L107	019-02312-0060		IDCTR V 2.5T	EA	.	.	.	1.00
L108	019-02084-0021		CH 1UH 10%	EA	.	.	.	1.00
L109	019-02209-0000		CHOKE FILTER	EA	.	.	.	1.00
L110	019-08078-0000		COIL TUN 20MH	EA	.	.	.	1.00
L111	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L112	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L113	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L114	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00	.	.
L115	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L116	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L117	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L118	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00	.	.
L119	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
L120	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L121	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L122	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L123	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L124	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L125	013-00028-0001		FERR BEAD W/LEAD	EA	1.00	.	1.00	.
L126	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00	.	.
L127	013-00028-0001		FERR BEAD W/LEAD	EA	1.00	.	1.00	.
L128	013-00028-0001		FERR BEAD W/LEAD	EA	1.00	.	1.00	.
L129	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
L130	013-00028-0001		FERR BEAD W/LEAD	EA	.	.	.	1.00
L132	019-02084-0027		CH 1.8UH 10%	EA	.	.	.	1.00
L133	019-02084-0021		CH 1UH 10%	EA	.	.	.	1.00
L134	019-02099-0003		CH .047UH 5%	EA	.	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0020	-0021	-0022	-0099
L135	019-02084-0000		CH .15UH 5%	EA	.	.	.	1.00
L136	019-02084-0005		CH .22UH 10%	EA	.	.	.	1.00
L137	019-02084-0009		CH .33UH 10%	EA	.	.	.	1.00
Q101	007-00254-0001		XSTR S PNP SOT-23	EA	.	.	.	1.00
Q102	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
Q103	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
Q104	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q105	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q106	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q107	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q108	007-00579-0000		XSTR 2SK241	EA	.	.	.	1.00
Q109	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q110	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q111	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q112	007-00187-0002		XSTR SOT-23 2N5089	EA	.	.	.	1.00
Q114	007-00467-0000		XSTR S NPN MMBTA06	EA	.	.	.	1.00
Q115	007-00467-0000		XSTR S NPN MMBTA06	EA	.	.	.	1.00
Q116	007-00813-0000		XSTR NPN S MMBTA14	EA	.	.	.	1.00
Q117	007-00187-0002		XSTR SOT-23 2N5089	EA	.	.	.	1.00
Q118	007-00280-0001		XSTR E175/J175	EA	.	.	.	1.00
Q119	007-00280-0001		XSTR E175/J175	EA	.	.	.	1.00
Q120	007-00280-0001		XSTR E175/J175	EA	.	.	.	1.00
Q121	007-00813-0000		XSTR NPN S MMBTA14	EA	.	.	.	1.00
Q123	007-00078-0001		XSTR S NPN 2N3417	EA	.	.	.	1.00
Q126	007-00250-0000		XSTR 2N4427	EA	.	.	.	1.00
Q127	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q128	007-00179-0001		XSTR SOT23 2N3904	EA	.	.	.	1.00
Q129	007-00179-0001		XSTR SOT23 2N3904	EA	.	.	.	1.00
Q131	007-00187-0002		XSTR SOT-23 2N5089	EA	.	.	.	1.00
Q132	007-00195-0001		XSTR MPSH10	EA	.	.	.	1.00
Q133	007-00179-0001		XSTR SOT23 2N3904	EA	.	.	.	1.00
Q134	007-00187-0002		XSTR SOT-23 2N5089	EA	.	.	.	1.00
Q135	007-00537-0000		XSTR PNP MMBT5087	EA	.	.	.	1.00
Q136	007-00537-0000		XSTR PNP MMBT5087	EA	.	.	.	1.00
Q137	007-00187-0002		XSTR SOT-23 2N5089	EA	.	.	.	1.00
Q138	007-00179-0001		XSTR SOT23 2N3904	EA	.	.	.	1.00
Q139	007-00383-0004		SOT-23 2N2222A XST	EA	.	.	.	1.00
Q140	007-00187-0002		XSTR SOT-23 2N5089	EA	.	.	.	1.00
Q141	007-00187-0002		XSTR SOT-23 2N5089	EA	.	.	.	1.00
R1001	139-02432-0000		RES CH 24.3K EW 1%	EA	.	.	.	1.00
R1002	139-03011-0000		RES CH 3.01K EW 1%	EA	.	.	.	1.00
R1003	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R1004	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R1005	139-05110-0000		RES CH 511 EW 1%	EA	.	.	.	1.00
R1006	139-00200-0000		RES CH 20.0 EW 1%	EA	.	.	.	1.00
R1007	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R1009	133-00351-0004		POTENTIOMETER 10K	EA	.	.	.	1.00
R101	130-05000-0025		RES CHIP 0 EW CJ	EA	.	.	.	1.00
R1010	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R1011	139-02211-0000		RES CH 2.21K EW 1%	EA	.	.	.	1.00
R1012	139-08661-0000		RES CH 8.66K EW 1%	EA	.	.	.	1.00
R1013	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R1014	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R1015	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R1016	139-06811-0000		RES CH 6.81K EW 1%	EA	1.00	1.00	1.00	.
R1017	139-01211-0000		RES CHIP1.21KEW1%	EA	.	1.00	.	.
R1018	130-05000-0025		RES CHIP 0 EW CJ	EA	1.00	.	1.00	.
R1019	139-00750-0000		RES CH 75.0 EW 1%	EA	.	.	.	1.00
R102	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R1020	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R1021	130-05027-0033		RES CH 2.7 QW 5%	EA	.	.	.	1.00
R1022	130-05000-0025		RES CHIP 0 EW CJ	EA	.	.	.	1.00
R1023	130-05027-0033		RES CH 2.7 QW 5%	EA	.	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0020	-0021	-0022	-0099
R1024	130-05000-0025		RES CHIP 0 EW CJ	EA	.	.	.	1.00
R1025	130-05000-0025		RES CHIP 0 EW CJ	EA	.	.	.	1.00
R103	139-01211-0000		RES CHIP1.21KEW1%	EA	.	.	.	1.00
R104	139-04750-0000		RES CH 475 EW 1%	EA	.	1.00	.	.
R105	139-02671-0000		RES CH 2.67K EW 1%	EA	.	.	.	1.00
R106	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R107	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R108	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R109	139-00475-0000		RES CH 47.5 EW 1%	EA	.	.	.	1.00
R110	139-05622-0000		RES CH 56.2K EW 1%	EA	.	.	.	1.00
R111	139-04322-0000		RES CHIP 43.2KEW1%	EA	.	.	.	1.00
R112	139-05622-0000		RES CH 56.2K EW 1%	EA	.	.	.	1.00
R113	139-02000-0000		RES CH 200 EW 1%	EA	.	.	.	1.00
R114	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R115	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R116	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R117	139-05622-0000		RES CH 56.2K EW 1%	EA	.	.	.	1.00
R118	139-05112-0000		RES CHIP 51.1K 1%	EA	.	.	.	1.00
R119	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R120	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R121	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R122	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R123	139-00100-0000		RES CHIP 10 EW 1%	EA	.	.	.	1.00
R124	139-01212-0000		RES CHIP 12.1K1%EW	EA	.	.	.	1.00
R125	139-00100-0000		RES CHIP 10 EW 1%	EA	.	.	.	1.00
R126	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	.	.	1.00
R127	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R128	139-01101-0000		RES CH 1.1K EW 1%	EA	.	.	.	1.00
R129	139-09090-0000		RES CHIP 909 EW 1%	EA	.	.	.	1.00
R130	139-00562-0000		RES CH 56.2 EW 1%	EA	.	.	.	1.00
R131	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R132	139-02002-0000		RES CHIP 20.0KEW1%	EA	.	.	.	1.00
R133	139-03920-0000		392 OHM 1/8W 1%	EA	.	.	.	1.00
R134	139-01502-0000		RES CHIP 15K EW 1%	EA	.	.	.	1.00
R135	139-01820-0000		RES CH 182 EW 1%	EA	.	.	.	1.00
R136	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R137	139-02000-0000		RES CH 200 EW 1%	EA	.	.	.	1.00
R138	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R139	139-04753-0000		RES CH 475K EW 1%	EA	.	.	.	1.00
R140	139-03320-0000		RES CHIP 332 EW 1%	EA	.	.	.	1.00
R141	139-04750-0000		RES CH 475 EW 1%	EA	.	.	.	1.00
R142	139-03322-0000		RES CH 33.2K EW 1%	EA	.	.	.	1.00
R143	139-08251-0000		RES CH 8.25K EW 1%	EA	.	.	.	1.00
R144	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R145	139-05110-0000		RES CH 511 EW 1%	EA	.	.	.	1.00
R146	139-03322-0000		RES CH 33.2K EW 1%	EA	.	.	.	1.00
R147	139-03320-0000		RES CHIP 332 EW 1%	EA	.	.	.	1.00
R148	139-08251-0000		RES CH 8.25K EW 1%	EA	.	.	.	1.00
R149	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R150	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R151	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R152	139-03922-0000		RES CH 39.2K EW 1%	EA	.	.	.	1.00
R153	139-01212-0000		RES CHIP 12.1K1%EW	EA	.	.	.	1.00
R154	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R155	139-03922-0000		RES CH 39.2K EW 1%	EA	.	.	.	1.00
R156	139-01212-0000		RES CHIP 12.1K1%EW	EA	.	.	.	1.00
R157	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R158	139-06812-0000		RES 68.1K EW 1%	EA	.	.	.	1.00
R159	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	.	.	1.00
R160	139-03322-0000		RES CH 33.2K EW 1%	EA	.	.	.	1.00
R161	139-03921-0000		RES CH 3.92K EW 1%	EA	.	.	.	1.00
R162	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R163	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0020	-0021	-0022	-0099
R164	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R165	139-03322-0000		RES CH 33.2K EW 1%	EA	.	.	.	1.00
R166	139-01003-0000		RES CHIP 100KEW1%	EA	.	.	.	1.00
R167	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R168	139-01103-0000		RES CHIP 110K EW1%	EA	.	.	.	1.00
R169	139-04751-0000		RES CH 4.75K EW 1%	EA	.	.	.	1.00
R170	139-01102-0000		RES 11K EW 1%	EA	.	.	.	1.00
R171	139-03010-0000		RES CHIP 301 EW 1%	EA	.	.	.	1.00
R172	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
R173	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R174	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R175	139-03652-0000		RES CHIP 36.5KEW1%	EA	.	.	.	1.00
R176	133-00351-0004		POTENTIOMETER 10K	EA	.	.	.	1.00
R177	139-02742-0000		RES CHIP 27.4KEW1%	EA	.	.	.	1.00
R178	139-05111-0000		RES CHIP 5.11KEW1%	EA	.	.	.	1.00
R179	139-05111-0000		RES CHIP 5.11KEW1%	EA	.	.	.	1.00
R180	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R181	139-04753-0000		RES CH 475K EW 1%	EA	.	.	.	1.00
R182	139-07500-0000		RES CHIP 750 EW 1%	EA	.	.	.	1.00
R183	139-03922-0000		RES CH 39.2K EW 1%	EA	.	.	.	1.00
R184	133-00351-0005		POTENTIOMETER 22K	EA	.	.	.	1.00
R185	139-03322-0000		RES CH 33.2K EW 1%	EA	.	.	.	1.00
R186	139-02002-0000		RES CHIP 20.0KEW1%	EA	.	.	.	1.00
R187	139-01242-0000		RES CHIP 12.4KEW1%	EA	.	.	.	1.00
R188	139-01822-0000		RES CHIP 18.2KEW1%	EA	.	.	.	1.00
R189	133-00351-0004		POTENTIOMETER 10K	EA	.	.	.	1.00
R190	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	.	.	1.00
R191	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R192	139-05620-0000		RES CH 562 EW 1%	EA	.	.	.	1.00
R193	131-00012-0033		RES CF 1.2 HW 5%	EA	.	.	.	1.00
R194	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R195	139-05110-0000		RES CH 511 EW 1%	EA	.	.	.	1.00
R196	139-04751-0000		RES CH 4.75K EW 1%	EA	.	.	.	1.00
R197	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
R198	139-02000-0000		RES CH 200 EW 1%	EA	.	.	.	1.00
R199	139-06193-0000		RES CH 619KEW 1%	EA	.	.	.	1.00
R200	139-04751-0000		RES CH 4.75K EW 1%	EA	.	.	.	1.00
R201	139-02001-0000		RES CHIP 2K EW 1%	EA	.	.	.	1.00
R202	139-02743-0000		RES CH 274K EW 1%	EA	.	.	.	1.00
R203	139-04750-0000		RES CH 475 EW 1%	EA	1.00	.	1.00	.
R204	139-02431-0000		RES CH 2.43K EW 1%	EA	.	.	.	1.00
R205	139-04751-0000		RES CH 4.75K EW 1%	EA	.	.	.	1.00
R206	139-04751-0000		RES CH 4.75K EW 1%	EA	.	.	.	1.00
R207	139-09091-0000		RES CH 9.09K EW 1%	EA	.	.	.	1.00
R208	139-01332-0000		RES CHIP 13.3KEW1%	EA	.	.	.	1.00
R209	139-04753-0000		RES CH 475K EW 1%	EA	.	.	.	1.00
R210	139-02741-0000		RES CH 2.74K EW 1%	EA	.	.	.	1.00
R211	139-02003-0000		RES CHIP 200KEW1%	EA	.	.	.	1.00
R212	139-04753-0000		RES CH 475K EW 1%	EA	.	.	.	1.00
R213	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	.	.	1.00
R214	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
R215	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R216	139-01102-0000		RES 11K EW 1%	EA	.	.	.	1.00
R217	139-03010-0000		RES CHIP 301 EW 1%	EA	.	.	.	1.00
R218	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R219	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R220	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R221	133-00351-0004		POTENTIOMETER 10K	EA	.	.	.	1.00
R222	139-01501-0000		RES CH 1.5K EW 1%	EA	.	.	.	1.00
R223	139-03922-0000		RES CH 39.2K EW 1%	EA	.	.	.	1.00
R224	130-05101-0033		RES CH 100 QW 5%	EA	.	.	.	1.00
R225	139-04750-0000		RES CH 475 EW 1%	EA	.	.	.	1.00
R226	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0020	-0021	-0022	-0099
R227	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R228	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R229	139-00150-0000		RES CH 15 EW 1%	EA	.	.	.	1.00
R230	139-04751-0000		RES CH 4.75K EW 1%	EA	.	.	.	1.00
R231	139-01004-0000		RES CHIP 1M EW 1%	EA	.	.	.	1.00
R232	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R233	139-02432-0000		RES CH 24.3K EW 1%	EA	.	.	.	1.00
R234	139-02432-0000		RES CH 24.3K EW 1%	EA	.	.	.	1.00
R235	139-03011-0000		RES CH 3.01K EW 1%	EA	.	.	.	1.00
R236	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R237	139-04753-0000		RES CH 475K EW 1%	EA	.	.	.	1.00
R238	139-04753-0000		RES CH 475K EW 1%	EA	.	.	.	1.00
R239	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	.	.	1.00
R240	139-00221-0000		RES CH 22.1 EW 1%	EA	.	.	.	1.00
R241	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R242	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R243	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R244	139-02432-0000		RES CH 24.3K EW 1%	EA	.	.	.	1.00
R245	139-05621-0000		RES CHIP 5.62KEW1%	EA	.	.	.	1.00
R246	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R247	139-02000-0000		RES CH 200 EW 1%	EA	.	.	.	1.00
R248	130-05000-0025		RES CHIP 0 EW CJ	EA	.	1.00	.	.
R249	139-01000-0000		RES CHIP 100 EW 1%	EA	1.00	.	1.00	.
R250	139-02212-0000		RES CHIP 22.1KEW1%	EA	1.00	1.00	1.00	.
R251	139-01502-0000		RES CHIP 15K EW 1%	EA	.	1.00	.	.
R251	139-09091-0000		RES CH 9.09K EW 1%	EA	1.00	.	1.00	.
R252	131-00162-0033		RES CF 1.6K HW 5%	EA	.	1.00	.	.
R252	131-00182-0033		RES CF 1.8K HW 5%	EA	1.00	.	1.00	.
R253	139-01500-0000		RES CH 150 EW 1%	EA	.	.	.	1.00
R254	139-06191-0000		RES CH 6.19KEW 1%	EA	.	.	.	1.00
R255	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
R256	133-00351-0004		POTENTIOMETER 10K	EA	1.00	.	1.00	.
R256	133-00351-0005		POTENTIOMETER 22K	EA	.	1.00	.	.
R257	139-03321-0000		RES CHIP 3.32K EW	EA	.	.	.	1.00
R258	139-01502-0000		RES CHIP 15K EW 1%	EA	.	.	.	1.00
R259	130-05000-0025		RES CHIP 0 EW CJ	EA	1.00	.	1.00	.
R260	130-05000-0025		RES CHIP 0 EW CJ	EA	1.00	.	1.00	.
R261	130-05000-0025		RES CHIP 0 EW CJ	EA	.	1.00	.	.
R262	139-00100-0000		RES CHIP 10 EW 1%	EA	.	.	.	1.00
R263	139-00100-0000		RES CHIP 10 EW 1%	EA	.	.	.	1.00
R264	139-06191-0000		RES CH 6.19KEW 1%	EA	.	.	.	1.00
R265	139-03921-0000		RES CH 3.92K EW 1%	EA	.	.	.	1.00
R266	139-01821-0000		RES CHIP 1.82KEW1%	EA	.	.	.	1.00
R267	133-00351-0003		POTENTIOMETER 4.7K	EA	.	.	.	1.00
R268	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R269	139-02001-0000		RES CHIP 2K EW 1%	EA	.	.	.	1.00
R270	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R271	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
R272	132-05051-0000		RES WW .15 2W 5%	EA	.	1.00	.	.
R273	132-05051-0000		RES WW .15 2W 5%	EA	.	1.00	.	.
R274	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R275	139-02210-0000		RES CH 221 EW 1%	EA	.	.	.	1.00
R276	139-03651-0000		RESCH 3.65K 8EW 1%	EA	.	.	.	1.00
R277	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R278	139-03321-0000		RES CHIP 3.32K EW	EA	.	.	.	1.00
R279	130-05000-0025		RES CHIP 0 EW CJ	EA	1.00	1.00	1.00	.
R280	139-06810-0000		RES CH 681 EW 1%	EA	.	.	.	1.00
R281	139-02210-0000		RES CH 221 EW 1%	EA	.	.	.	1.00
R282	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R283	139-01002-0000		RES CHIP 10K EW 1%	EA	.	.	.	1.00
R284	139-03321-0000		RES CHIP 3.32K EW	EA	.	.	.	1.00
R286	139-04753-0000		RES CH 475K EW 1%	EA	.	.	.	1.00
R287	139-01502-0000		RES CHIP 15K EW 1%	EA	.	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0020	-0021	-0022	-0099
R288	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R289	139-05620-0000		RES CH 562 EW 1%	EA	.	.	.	1.00
R290	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R291	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R292	139-01000-0000		RES CHIP 100 EW 1%	EA	.	.	.	1.00
R293	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R294	139-04752-0000		RES CH 47.5K EW 1%	EA	.	.	.	1.00
R295	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R296	130-05000-0025		RES CHIP 0 EW CJ	EA	.	.	.	1.00
R297	139-01001-0000		RES CHIP 1K EW 1%	EA	.	.	.	1.00
R298	139-04750-0000		RES CH 475 EW 1%	EA	.	.	.	1.00
R299	139-02210-0000		RES CH 221 EW 1%	EA	.	.	.	1.00
REF1	300-07799-0000		14V MAIN BOARD KY	RF	.00	.	.00	.
REF1	300-07799-0001		28V MAIN BOARD K	RF	.	.00	.	.
REF2	002-07799-0000		KY96A/97A LCD MAIN	RF	.	.	.	.00
T101	019-08079-0000		XFMR IF	EA	.	.	.	1.00
T102	019-08080-0000		XFMR IF 15PF	EA	.	.	.	1.00
T103	019-08102-0000		XFMR IF 27PF	EA	.	.	.	1.00
T104	019-08103-0000		XFMR IF	EA	.	.	.	1.00
T105	019-02328-0081		3.5 TURN CT	EA	.	.	.	1.00
T106	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
T107	019-05083-0000		XFMR AUD	EA	.	.	.	1.00
T108	019-05084-0001		XFMR MOD 900T	EA	.	.	.	1.00
T109	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
T110	999-09999-0098		PLACE HOLDER	RF	.	.	.	.00
TP101	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP102	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP104	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP105	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP106	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP107	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP108	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP109	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP110	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP112	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
TP115	008-00096-0001		TERMINAL TEST PNT	EA	.	.	.	1.00
Y101	044-00272-0001		3.975 MHZ .001%	EA	.	.	.	1.00
	009-07799-0000		PC BD MAIN	EA	.	.	.	1.00
	012-01174-0000		INSULATOR	EA	.	.	.	5.00
	016-01040-0000		COATING TYPE AR	AR	.	.	.	1.00
	016-01082-0000		DC RTV 3145	AR	.	.	.	1.00
	025-00005-0002		WIRE 18 RED	IN	.	.	.	1.40
	026-00004-0000		WIRE, CU, 20AWG, T	IN	1.25	.	1.25	6.40
	026-00013-0000		WIRE, COAX, RG-178	IN	.	.	.	4.75
	030-02174-0001		PIN CONT	EA	.	.	.	2.00
	030-02174-0004		PIN CONTACT	EA	.	.	.	9.00
	047-08202-0001		FENCE VCO	EA	.	.	.	1.00
	047-08203-0001		FENCE PRESELECT/IF	EA	.	.	.	1.00
	047-08208-0001		COVER VCO	EA	.	.	.	1.00
	047-08209-0001		COVER PRESELECT/IF	EA	.	.	.	1.00
	047-08476-0002		SHIELD VCO W/INS	EA	.	.	.	1.00
	047-08477-0002		SHIELD PRESELW/INS	EA	.	.	.	1.00
	047-08550-0002		GERMAN SHIELD	EA	.	.	.	1.00
	089-06004-0003		SCR FHP 2-56X3/16	EA	.	.	.	3.00
	090-00213-0000		FUSE CLIP 1/4 IN.	EA	.	.	.	2.00
	091-00025-0000		WSHR XSTR INSUL	EA	.	.	.	1.00
	150-00003-0010		TUBING TFLN 24AWG	IN	.	.	.	1.08
	150-00005-0010		TUBING TFLN 20AWG	IN	.75	.	.75	6.40
	150-00103-0000		SLDR SLEEVE	EA	.	.	.	2.00
	155-02031-0027		JUMPER CABLE 9C	EA	.	.	.	1.00
	155-02031-0030		JUMPER CABLE 9C	EA	.	.	.	1.00
	200-07799-0099		COMMON BOM	EA	1.00	1.00	1.00	.
	200-08506-0000		PC BOARD	EA	.	.	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0020	-0021	-0022	-0099
	200-08506-0004		PC BOARD	EA	.	.	.	1.00
	200-08939-0000		FILTER BD	EA	.	.	.	1.00

200-07799-0023 96A MN BD 50K FUJI REV B
200-07799-0099 COMMON BOM REV CK

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0023	-0099
A101	200-08777-0010		SONY REPLACEMENT	EA	1.00	.
C101	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C102	106-05399-0020		CH 3.9PF NPO/100V	EA	.	1.00
C103	106-05479-0020		CH 4.7PF NPO/100V	EA	.	1.00
C104	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C105	106-04471-0026		CH 470PF NPO/100V	EA	.	1.00
C107	106-04221-0026		CAP CH220PFNPO/100	EA	.	1.00
C108	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C109	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C110	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C111	106-04682-0057		CAPCH6800PFX7R/100	EA	.	1.00
C112	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C113	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C114	106-05689-0020		CH 6.8PF NPO/100V	EA	.	1.00
C115	106-05030-0020		CH 3.0PF NPO/100V	EA	.	1.00
C116	106-04471-0026		CH 470PF NPO/100V	EA	.	1.00
C117	106-04471-0026		CH 470PF NPO/100V	EA	.	1.00
C118	106-05060-0020		CH 6PF NPO 100V	EA	.	1.00
C119	999-09999-0098		PLACE HOLDER	RF	.	.00
C120	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C121	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C125	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C126	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C127	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C128	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C129	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C130	106-04392-0057		CAPCH3900PFX7R/100	EA	.	1.00
C131	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C132	106-04470-0026		CAPCH 47PFNPO/100V	EA	.	1.00
C133	106-04470-0026		CAPCH 47PFNPO/100V	EA	.	1.00
C134	102-00085-0000		CAP VAR SURF MTG	EA	.	1.00
C135	097-00108-0020		CAP EL 0.47UF	EA	.	1.00
C136	106-05020-0020		CH 2PF NPO 100V	EA	.	1.00
C137	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C138	106-04103-0057		CAP CH 10KX7R/100V	EA	.	1.00
C139	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C140	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C144	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C145	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C146	106-04220-0026		CH 22PF NPO/100V	EA	.	1.00
C147	106-05020-0020		CH 2PF NPO 100V	EA	.	1.00
C148	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C149	106-04820-0026		CAP CH82PFNPO/100V	EA	.	1.00
C150	106-04330-0026		CH 33PF NPO/100V	EA	.	1.00
C151	097-00104-0036		CAP AL 47UF 25V	EA	.	1.00
C152	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C153	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C154	106-04220-0026		CH 22PF NPO/100V	EA	.	1.00
C155	106-04470-0026		CAPCH 47PFNPO/100V	EA	.	1.00
C156	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C157	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C158	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C159	106-04151-0026		CH 150PF NPO/100V	EA	.	1.00
C160	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C161	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C162	106-04154-0078		CAP CH 150KZ5U/50V	EA	.	1.00
C163	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C164	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C165	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C166	096-01082-0057		CAP TN 1UF 35V	EA	.	1.00
C167	097-00149-0001		CAP AL 1000UF 50V	EA	1.00	.

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0023	-0099
C168	097-00109-0006		CAP EL 100UF 16V	EA	.	1.00
C169	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C170	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C171	106-04473-0047		CAP CH 47K X7R/50V	EA	.	1.00
C172	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C173	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C174	111-00001-0068		CAP CR .068UF 50V	EA	.	1.00
C175	111-00001-0003		CAP CR .22UF 50V	EA	.	1.00
C176	111-00001-0003		CAP CR .22UF 50V	EA	.	1.00
C177	097-00108-0018		CAP EL 0.22UF	EA	.	1.00
C178	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C179	097-00108-0014		CAP EL 4.7UF 35V	EA	.	1.00
C180	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C181	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C182	097-00108-0023		CAP EL 3.3UF	EA	.	1.00
C183	097-00108-0020		CAP EL 0.47UF	EA	.	1.00
C184	097-00109-0006		CAP EL 100UF 16V	EA	.	1.00
C185	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C186	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C187	097-00109-0006		CAP EL 100UF 16V	EA	.	1.00
C188	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C189	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C190	097-00109-0006		CAP EL 100UF 16V	EA	.	1.00
C191	097-00108-0022		CAP EL 2.2UF	EA	.	1.00
C192	999-09999-0098		PLACE HOLDER	RF	.	.00
C193	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C194	111-00001-0001		CAP CR .1UF 50V	EA	.	1.00
C195	097-00104-0036		CAP AL 47UF 25V	EA	.	1.00
C196	097-00109-0006		CAP EL 100UF 16V	EA	.	1.00
C197	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C198	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C199	097-00104-0036		CAP AL 47UF 25V	EA	.	1.00
C200	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C201	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C202	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C203	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C204	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C205	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C206	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C207	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C208	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C209	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C210	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C211	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C212	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C213	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C214	097-00104-0036		CAP AL 47UF 25V	EA	.	1.00
C215	097-00108-0015		CAP EL 10UF 35V	EA	1.00	.
C216	097-00104-0036		CAP AL 47UF 25V	EA	.	1.00
C217	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C218	106-04222-0057		CAPCH2200PFX7R/100	EA	.	1.00
C219	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C220	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C221	097-00108-0021		CAP EL 1.0UF 50V	EA	.	1.00
C222	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C223	999-09999-0098		PLACE HOLDER	RF	.	.00
C224	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C225	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C226	106-04331-0026		CAPCH330PFNPO/100V	EA	.	1.00
C227	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C228	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C229	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C230	111-00001-0006		CAP CR .47UF 50V	EA	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0023	-0099
C231	106-04221-0026		CAP CH220PFNPO/100	EA	.	1.00
C232	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C233	106-04101-0026		CH 100PF NPO/100V	EA	.	1.00
C236	111-00001-0026		CAP CR .33UF 50V	EA	.	1.00
C237	096-01082-0040		CAP TN 3.3UF 35V	EA	.	1.00
C238	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C239	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C240	999-09999-0098		PLACE HOLDER	RF	.	.00
C241	106-04471-0026		CH 470PF NPO/100V	EA	.	1.00
C242	106-04471-0026		CH 470PF NPO/100V	EA	.	1.00
C243	106-04471-0026		CH 470PF NPO/100V	EA	.	1.00
C244	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C245	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C246	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C247	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C248	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C249	106-04390-0026		CH 39PF NPO/100V	EA	.	1.00
C250	097-00108-0023		CAP EL 3.3UF	EA	.	1.00
C251	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C252	106-04391-0026		CH 390PF NPO/100V	EA	.	1.00
C253	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C254	106-04270-0026		CH 27PF NPO/100V	EA	1.00	.
C255	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C256	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C257	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C258	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C259	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C260	106-04103-0057		CAP CH 10KX7R/100V	EA	.	1.00
C261	106-04821-0016		CAP CH820PFNPO/50V	EA	.	1.00
C262	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C263	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C264	106-04821-0016		CAP CH820PFNPO/50V	EA	.	1.00
C265	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C267	097-00104-0036		CAP AL 47UF 25V	EA	.	1.00
C268	097-00104-0036		CAP AL 47UF 25V	EA	.	1.00
C269	097-00108-0007		CAP EL 10UF 16V	EA	.	1.00
C270	097-00104-0036		CAP AL 47UF 25V	EA	.	1.00
C271	106-04121-0026		CAPCH120PFNPO/100V	EA	.	1.00
C272	106-04220-0026		CH 22PF NPO/100V	EA	.	1.00
C273	106-04829-0020		CAP CH 8.2 NPO/100	EA	.	1.00
C274	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C281	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C282	106-04104-0047		CH 100KX7R/50V	EA	.	1.00
C284	106-04102-0026		CH 1KPF NPO/100V	EA	.	1.00
C285	096-01082-0002		CAP TN 1UF 35V	EA	.	1.00
C286	106-04221-0026		CAP CH220PFNPO/100	EA	.	1.00
C287	106-04331-0026		CAPCH330PFNPO/100V	EA	.	1.00
C288	106-04121-0026		CAPCH120PFNPO/100V	EA	1.00	.
CR101	007-04020-0005		MS5 VARACTOR DIODE	EA	.	1.00
CR102	007-06181-0000		DIO DUAL MMBD2835	EA	.	1.00
CR104	007-06223-0000		DIO DUAL SWITCHING	EA	.	1.00
CR105	007-06222-0000		DIO DAN202K	EA	.	1.00
CR106	007-06222-0000		DIO DAN202K	EA	.	1.00
CR107	007-06222-0000		DIO DAN202K	EA	.	1.00
CR108	007-05039-0002		DIO Z 40.2V	EA	.	1.00
CR109	007-06222-0000		DIO DAN202K	EA	.	1.00
CR110	007-06222-0000		DIO DAN202K	EA	.	1.00
CR111	999-09999-0098		PLACE HOLDER	RF	.	.00
CR112	007-06223-0000		DIO DUAL SWITCHING	EA	.	1.00
CR113	007-06222-0000		DIO DAN202K	EA	.	1.00
CR114	007-06181-0000		DIO DUAL MMBD2835	EA	.	1.00
CR115	007-05117-0017		DIO Z 16V SOT	EA	1.00	.
CR116	999-09999-0098		PLACE HOLDER	RF	.	.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0023	-0099
CR117	007-06228-0000		RF SWITCHING DIODE	EA	.	1.00
CR118	007-05117-0023		DIO Z 30V SOT	EA	.	1.00
CR119	999-09999-0098		PLACE HOLDER	RF	.	.00
CR120	007-06222-0000		DIO DAN202K	EA	.	1.00
CR121	999-09999-0098		PLACE HOLDER	RF	.	.00
CR122	007-05117-0007		DIO Z 6.2V SOT	EA	.	1.00
CR123	007-05117-0007		DIO Z 6.2V SOT	EA	1.00	.
CR124	007-06105-0000		DIO HV FDH444	EA	.	1.00
CR125	007-06222-0000		DIO DAN202K	EA	.	1.00
F101	036-00014-0000		FUSE 3AG 250V 10A	EA	.	1.00
FL101	017-00076-0000		FLTR XTAL 11.4MHZ	EA	1.00	.
I101	120-03020-0001		IC IF AMP SO	EA	.	1.00
I102	120-03020-0001		IC IF AMP SO	EA	.	1.00
I104	120-03094-0032		IC LM340LAZ-5.0	EA	.	1.00
I105	120-03053-0009		LM358D DUAL OP AMP	EA	.	1.00
I106	120-03053-0009		LM358D DUAL OP AMP	EA	.	1.00
I107	120-03127-0011		IC LM2903 SO PKG	EA	.	1.00
I108	120-03026-0000		IC MC7805CT	EA	.	1.00
I109	120-03094-0032		IC LM340LAZ-5.0	EA	.	1.00
I110	999-09999-0098		PLACE HOLDER	RF	.	.00
I111	120-03053-0009		LM358D DUAL OP AMP	EA	.	1.00
I112	120-03190-0000		AUDIO AMP LM1877N-	EA	.	1.00
I113	120-03053-0009		LM358D DUAL OP AMP	EA	.	1.00
L101	019-02312-0060		IDCTR V 2.5T	EA	.	1.00
L102	019-02084-0024		CH 1.5UH 5%	EA	.	1.00
L103	019-02312-0060		IDCTR V 2.5T	EA	.	1.00
L104	019-02084-0027		CH 1.8UH 10%	EA	.	1.00
L105	019-02312-0060		IDCTR V 2.5T	EA	.	1.00
L106	019-02084-0034		CH 3.9UH 5%	EA	.	1.00
L107	019-02312-0060		IDCTR V 2.5T	EA	.	1.00
L108	019-02084-0021		CH 1UH 10%	EA	.	1.00
L109	019-02209-0000		CHOKE FILTER	EA	.	1.00
L110	019-08078-0000		COIL TUN 20MH	EA	.	1.00
L111	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L112	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L113	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L114	013-00028-0001		FERR BEAD W/LEAD	EA	1.00	.
L115	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L116	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L117	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L118	013-00028-0001		FERR BEAD W/LEAD	EA	1.00	.
L119	999-09999-0098		PLACE HOLDER	RF	.	.00
L120	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L121	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L122	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L123	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L124	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L126	013-00028-0001		FERR BEAD W/LEAD	EA	1.00	.
L129	999-09999-0098		PLACE HOLDER	RF	.	.00
L130	013-00028-0001		FERR BEAD W/LEAD	EA	.	1.00
L132	019-02084-0027		CH 1.8UH 10%	EA	.	1.00
L133	019-02084-0021		CH 1UH 10%	EA	.	1.00
L134	019-02099-0003		CH .047UH 5%	EA	.	1.00
L135	019-02084-0000		CH .15UH 5%	EA	.	1.00
L136	019-02084-0005		CH .22UH 10%	EA	.	1.00
L137	019-02084-0009		CH .33UH 10%	EA	.	1.00
Q101	007-00254-0001		XSTR S PNP SOT-23	EA	.	1.00
Q102	999-09999-0098		PLACE HOLDER	RF	.	.00
Q103	999-09999-0098		PLACE HOLDER	RF	.	.00
Q104	007-00195-0001		XSTR MPSH10	EA	.	1.00
Q105	007-00195-0001		XSTR MPSH10	EA	.	1.00
Q106	007-00195-0001		XSTR MPSH10	EA	.	1.00
Q107	007-00195-0001		XSTR MPSH10	EA	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0023	-0099
Q108	007-00579-0000		XSTR 2SK241	EA	.	1.00
Q109	007-00195-0001		XSTR MPSH10	EA	.	1.00
Q110	007-00195-0001		XSTR MPSH10	EA	.	1.00
Q111	007-00195-0001		XSTR MPSH10	EA	.	1.00
Q112	007-00187-0002		XSTR SOT-23 2N5089	EA	.	1.00
Q114	007-00467-0000		XSTR S NPN MMBTA06	EA	.	1.00
Q115	007-00467-0000		XSTR S NPN MMBTA06	EA	.	1.00
Q116	007-00813-0000		XSTR NPN S MMBTA14	EA	.	1.00
Q117	007-00187-0002		XSTR SOT-23 2N5089	EA	.	1.00
Q118	007-00280-0001		XSTR E175/J175	EA	.	1.00
Q119	007-00280-0001		XSTR E175/J175	EA	.	1.00
Q120	007-00280-0001		XSTR E175/J175	EA	.	1.00
Q121	007-00813-0000		XSTR NPN S MMBTA14	EA	.	1.00
Q123	007-00078-0001		XSTR S NPN 2N3417	EA	.	1.00
Q126	007-00250-0000		XSTR 2N4427	EA	.	1.00
Q127	007-00195-0001		XSTR MPSH10	EA	.	1.00
Q128	007-00179-0001		XSTR SOT23 2N3904	EA	.	1.00
Q129	007-00179-0001		XSTR SOT23 2N3904	EA	.	1.00
Q131	007-00187-0002		XSTR SOT-23 2N5089	EA	.	1.00
Q132	007-00195-0001		XSTR MPSH10	EA	.	1.00
Q133	007-00179-0001		XSTR SOT23 2N3904	EA	.	1.00
Q134	007-00187-0002		XSTR SOT-23 2N5089	EA	.	1.00
Q135	007-00537-0000		XSTR PNP MMBT5087	EA	.	1.00
Q136	007-00537-0000		XSTR PNP MMBT5087	EA	.	1.00
Q137	007-00187-0002		XSTR SOT-23 2N5089	EA	.	1.00
Q138	007-00179-0001		XSTR SOT23 2N3904	EA	.	1.00
Q139	007-00383-0004		SOT-23 2N2222A XST	EA	.	1.00
Q140	007-00187-0002		XSTR SOT-23 2N5089	EA	.	1.00
Q141	007-00187-0002		XSTR SOT-23 2N5089	EA	.	1.00
R1001	139-02432-0000		RES CH 24.3K EW 1%	EA	.	1.00
R1002	139-03011-0000		RES CH 3.01K EW 1%	EA	.	1.00
R1003	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R1004	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R1005	139-05110-0000		RES CH 511 EW 1%	EA	.	1.00
R1006	139-00200-0000		RES CH 20.0 EW 1%	EA	.	1.00
R1007	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R1009	133-00351-0004		POTENTIOMETER 10K	EA	.	1.00
R101	130-05000-0025		RES CHIP 0 EW CJ	EA	.	1.00
R1010	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R1011	139-02211-0000		RES CH 2.21K EW 1%	EA	.	1.00
R1012	139-08661-0000		RES CH 8.66K EW 1%	EA	.	1.00
R1013	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R1014	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R1015	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R1016	139-06811-0000		RES CH 6.81K EW 1%	EA	1.00	.
R1017	139-01211-0000		RES CHIP1.21KEW1%	EA	1.00	.
R1019	139-00750-0000		RES CH 75.0 EW 1%	EA	.	1.00
R102	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R1020	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R1021	130-05027-0033		RES CH 2.7 QW 5%	EA	.	1.00
R1022	130-05000-0025		RES CHIP 0 EW CJ	EA	.	1.00
R1023	130-05027-0033		RES CH 2.7 QW 5%	EA	.	1.00
R1024	130-05000-0025		RES CHIP 0 EW CJ	EA	.	1.00
R1025	130-05000-0025		RES CHIP 0 EW CJ	EA	.	1.00
R103	139-01211-0000		RES CHIP1.21KEW1%	EA	.	1.00
R104	139-04750-0000		RES CH 475 EW 1%	EA	1.00	.
R105	139-02671-0000		RES CH 2.67K EW 1%	EA	.	1.00
R106	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R107	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R108	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R109	139-00475-0000		RES CH 47.5 EW 1%	EA	.	1.00
R110	139-05622-0000		RES CH 56.2K EW 1%	EA	.	1.00
R111	139-04322-0000		RES CHIP 43.2KEW1%	EA	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0023	-0099
R112	139-05622-0000		RES CH 56.2K EW 1%	EA	.	1.00
R113	139-02000-0000		RES CH 200 EW 1%	EA	.	1.00
R114	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R115	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R116	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R117	139-05622-0000		RES CH 56.2K EW 1%	EA	.	1.00
R118	139-05112-0000		RES CHIP 51.1K 1%	EA	.	1.00
R119	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R120	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R121	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R122	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R123	139-00100-0000		RES CHIP 10 EW 1%	EA	.	1.00
R124	139-01212-0000		RES CHIP 12.1K1%EW	EA	.	1.00
R125	139-00100-0000		RES CHIP 10 EW 1%	EA	.	1.00
R126	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	1.00
R127	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R128	139-01101-0000		RES CH 1.1K EW 1%	EA	.	1.00
R129	139-09090-0000		RES CHIP 909 EW 1%	EA	.	1.00
R130	139-00562-0000		RES CH 56.2 EW 1%	EA	.	1.00
R131	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R132	139-02002-0000		RES CHIP 20.0KEW1%	EA	.	1.00
R133	139-03920-0000		392 OHM 1/8W 1%	EA	.	1.00
R134	139-01502-0000		RES CHIP 15K EW 1%	EA	.	1.00
R135	139-01820-0000		RES CH 182 EW 1%	EA	.	1.00
R136	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R137	139-02000-0000		RES CH 200 EW 1%	EA	.	1.00
R138	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R139	139-04753-0000		RES CH 475K EW 1%	EA	.	1.00
R140	139-03320-0000		RES CHIP 332 EW 1%	EA	.	1.00
R141	139-04750-0000		RES CH 475 EW 1%	EA	.	1.00
R142	139-03322-0000		RES CH 33.2K EW 1%	EA	.	1.00
R143	139-08251-0000		RES CH 8.25K EW 1%	EA	.	1.00
R144	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R145	139-05110-0000		RES CH 511 EW 1%	EA	.	1.00
R146	139-03322-0000		RES CH 33.2K EW 1%	EA	.	1.00
R147	139-03320-0000		RES CHIP 332 EW 1%	EA	.	1.00
R148	139-08251-0000		RES CH 8.25K EW 1%	EA	.	1.00
R149	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R150	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R151	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R152	139-03922-0000		RES CH 39.2K EW 1%	EA	.	1.00
R153	139-01212-0000		RES CHIP 12.1K1%EW	EA	.	1.00
R154	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R155	139-03922-0000		RES CH 39.2K EW 1%	EA	.	1.00
R156	139-01212-0000		RES CHIP 12.1K1%EW	EA	.	1.00
R157	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R158	139-06812-0000		RES 68.1K EW 1%	EA	.	1.00
R159	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	1.00
R160	139-03322-0000		RES CH 33.2K EW 1%	EA	.	1.00
R161	139-03921-0000		RES CH 3.92K EW 1%	EA	.	1.00
R162	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R163	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R164	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R165	139-03322-0000		RES CH 33.2K EW 1%	EA	.	1.00
R166	139-01003-0000		RES CHIP 100KEW1%	EA	.	1.00
R167	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R168	139-01103-0000		RES CHIP 110K EW1%	EA	.	1.00
R169	139-04751-0000		RES CH 4.75K EW 1%	EA	.	1.00
R170	139-01102-0000		RES 11K EW 1%	EA	.	1.00
R171	139-03010-0000		RES CHIP 301 EW 1%	EA	.	1.00
R172	999-09999-0098		PLACE HOLDER	RF	.	.00
R173	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R174	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0023	-0099
R175	139-03652-0000		RES CHIP 36.5KEW1%	EA	.	1.00
R176	133-00351-0004		POTENTIOMETER 10K	EA	.	1.00
R177	139-02742-0000		RES CHIP 27.4KEW1%	EA	.	1.00
R178	139-05111-0000		RES CHIP 5.11KEW1%	EA	.	1.00
R179	139-05111-0000		RES CHIP 5.11KEW1%	EA	.	1.00
R180	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R181	139-04753-0000		RES CH 475K EW 1%	EA	.	1.00
R182	139-07500-0000		RES CHIP 750 EW 1%	EA	.	1.00
R183	139-03922-0000		RES CH 39.2K EW 1%	EA	.	1.00
R184	133-00351-0005		POTENTIOMETER 22K	EA	.	1.00
R185	139-03322-0000		RES CH 33.2K EW 1%	EA	.	1.00
R186	139-02002-0000		RES CHIP 20.0KEW1%	EA	.	1.00
R187	139-01242-0000		RES CHIP 12.4KEW1%	EA	.	1.00
R188	139-01822-0000		RES CHIP 18.2KEW1%	EA	.	1.00
R189	133-00351-0004		POTENTIOMETER 10K	EA	.	1.00
R190	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	1.00
R191	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R192	139-05620-0000		RES CH 562 EW 1%	EA	.	1.00
R193	131-00012-0033		RES CF 1.2 HW 5%	EA	.	1.00
R194	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R195	139-05110-0000		RES CH 511 EW 1%	EA	.	1.00
R196	139-04751-0000		RES CH 4.75K EW 1%	EA	.	1.00
R197	999-09999-0098		PLACE HOLDER	RF	.	.00
R198	139-02000-0000		RES CH 200 EW 1%	EA	.	1.00
R199	139-06193-0000		RES CH 619KEW 1%	EA	.	1.00
R200	139-04751-0000		RES CH 4.75K EW 1%	EA	.	1.00
R201	139-02001-0000		RES CHIP 2K EW 1%	EA	.	1.00
R202	139-02743-0000		RES CH 274K EW 1%	EA	.	1.00
R204	139-02431-0000		RES CH 2.43K EW 1%	EA	.	1.00
R205	139-04751-0000		RES CH 4.75K EW 1%	EA	.	1.00
R206	139-04751-0000		RES CH 4.75K EW 1%	EA	.	1.00
R207	139-09091-0000		RES CH 9.09K EW 1%	EA	.	1.00
R208	139-01332-0000		RES CHIP 13.3KEW1%	EA	.	1.00
R209	139-04753-0000		RES CH 475K EW 1%	EA	.	1.00
R210	139-02741-0000		RES CH 2.74K EW 1%	EA	.	1.00
R211	139-02003-0000		RES CHIP 200KEW1%	EA	.	1.00
R212	139-04753-0000		RES CH 475K EW 1%	EA	.	1.00
R213	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	1.00
R214	999-09999-0098		PLACE HOLDER	RF	.	.00
R215	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R216	139-01102-0000		RES 11K EW 1%	EA	.	1.00
R217	139-03010-0000		RES CHIP 301 EW 1%	EA	.	1.00
R218	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R219	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R220	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R221	133-00351-0004		POTENTIOMETER 10K	EA	.	1.00
R222	139-01501-0000		RES CH 1.5K EW 1%	EA	.	1.00
R223	139-03922-0000		RES CH 39.2K EW 1%	EA	.	1.00
R224	130-05101-0033		RES CH 100 QW 5%	EA	.	1.00
R225	139-04750-0000		RES CH 475 EW 1%	EA	.	1.00
R226	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R227	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R228	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R229	139-00150-0000		RES CH 15 EW 1%	EA	.	1.00
R230	139-04751-0000		RES CH 4.75K EW 1%	EA	.	1.00
R231	139-01004-0000		RES CHIP 1M EW 1%	EA	.	1.00
R232	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R233	139-02432-0000		RES CH 24.3K EW 1%	EA	.	1.00
R234	139-02432-0000		RES CH 24.3K EW 1%	EA	.	1.00
R235	139-03011-0000		RES CH 3.01K EW 1%	EA	.	1.00
R236	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R237	139-04753-0000		RES CH 475K EW 1%	EA	.	1.00
R238	139-04753-0000		RES CH 475K EW 1%	EA	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0023	-0099
R239	139-02212-0000		RES CHIP 22.1KEW1%	EA	.	1.00
R240	139-00221-0000		RES CH 22.1 EW 1%	EA	.	1.00
R241	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R242	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R243	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R244	139-02432-0000		RES CH 24.3K EW 1%	EA	.	1.00
R245	139-05621-0000		RES CHIP 5.62KEW1%	EA	.	1.00
R246	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R247	139-02000-0000		RES CH 200 EW 1%	EA	.	1.00
R248	130-05000-0025		RES CHIP 0 EW CJ	EA	1.00	.
R250	139-02212-0000		RES CHIP 22.1KEW1%	EA	1.00	.
R251	139-01502-0000		RES CHIP 15K EW 1%	EA	1.00	.
R252	131-00162-0033		RES CF 1.6K HW 5%	EA	1.00	.
R253	139-01500-0000		RES CH 150 EW 1%	EA	.	1.00
R254	139-06191-0000		RES CH 6.19KEW 1%	EA	.	1.00
R255	999-09999-0098		PLACE HOLDER	RF	.	.00
R256	133-00351-0005		POTENTIOMETER 22K	EA	1.00	.
R257	139-03321-0000		RES CHIP 3.32K EW	EA	.	1.00
R258	139-01502-0000		RES CHIP 15K EW 1%	EA	.	1.00
R261	130-05000-0025		RES CHIP 0 EW CJ	EA	1.00	.
R262	139-00100-0000		RES CHIP 10 EW 1%	EA	.	1.00
R263	139-00100-0000		RES CHIP 10 EW 1%	EA	.	1.00
R264	139-06191-0000		RES CH 6.19KEW 1%	EA	.	1.00
R265	139-03921-0000		RES CH 3.92K EW 1%	EA	.	1.00
R266	139-01821-0000		RES CHIP 1.82KEW1%	EA	.	1.00
R267	133-00351-0003		POTENTIOMETER 4.7K	EA	.	1.00
R268	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R269	139-02001-0000		RES CHIP 2K EW 1%	EA	.	1.00
R270	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R271	999-09999-0098		PLACE HOLDER	RF	.	.00
R272	132-05051-0000		RES WW .15 2W 5%	EA	1.00	.
R273	132-05051-0000		RES WW .15 2W 5%	EA	1.00	.
R274	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R275	139-02210-0000		RES CH 221 EW 1%	EA	.	1.00
R276	139-03651-0000		RESCH 3.65K 8EW 1%	EA	.	1.00
R277	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R278	139-03321-0000		RES CHIP 3.32K EW	EA	.	1.00
R279	130-05000-0025		RES CHIP 0 EW CJ	EA	1.00	.
R280	139-06810-0000		RES CH 681 EW 1%	EA	.	1.00
R281	139-02210-0000		RES CH 221 EW 1%	EA	.	1.00
R282	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R283	139-01002-0000		RES CHIP 10K EW 1%	EA	.	1.00
R284	139-03321-0000		RES CHIP 3.32K EW	EA	.	1.00
R286	139-04753-0000		RES CH 475K EW 1%	EA	.	1.00
R287	139-01502-0000		RES CHIP 15K EW 1%	EA	.	1.00
R288	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R289	139-05620-0000		RES CH 562 EW 1%	EA	.	1.00
R290	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R291	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R292	139-01000-0000		RES CHIP 100 EW 1%	EA	.	1.00
R293	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R294	139-04752-0000		RES CH 47.5K EW 1%	EA	.	1.00
R295	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R296	130-05000-0025		RES CHIP 0 EW CJ	EA	.	1.00
R297	139-01001-0000		RES CHIP 1K EW 1%	EA	.	1.00
R298	139-04750-0000		RES CH 475 EW 1%	EA	.	1.00
R299	139-02210-0000		RES CH 221 EW 1%	EA	.	1.00
REF1	300-07799-0001		28V MAIN BOARD K	RF	.00	.
REF2	002-07799-0000		KY96A/97A LCD MAIN	RF	.	.00
T101	019-08079-0000		XFMR IF	EA	.	1.00
T102	019-08080-0000		XFMR IF 15PF	EA	.	1.00
T103	019-08102-0000		XFMR IF 27PF	EA	.	1.00
T104	019-08103-0000		XFMR IF	EA	.	1.00

SYMBOL	PART NUMBER	FIND NO	DESCRIPTION	UM	-0023	-0099
T105	019-02328-0081		3.5 TURN CT	EA	.	1.00
T106	999-09999-0098		PLACE HOLDER	RF	.	.00
T107	019-05083-0000		XFMR AUD	EA	.	1.00
T108	019-05084-0001		XFMR MOD 900T	EA	.	1.00
T109	999-09999-0098		PLACE HOLDER	RF	.	.00
T110	999-09999-0098		PLACE HOLDER	RF	.	.00
TP101	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP102	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP104	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP105	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP106	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP107	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP108	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP109	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP110	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP112	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
TP115	008-00096-0001		TERMINAL TEST PNT	EA	.	1.00
Y101	044-00272-0001		3.975 MHZ .001%	EA	.	1.00
	009-07799-0000		PC BD MAIN	EA	.	1.00
	012-01174-0000		INSULATOR	EA	.	5.00
	016-01040-0000		COATING TYPE AR	AR	.	1.00
	016-01082-0000		DC RTV 3145	AR	.	1.00
	025-00005-0002		WIRE 18 RED	IN	.	1.40
	026-00004-0000		WIRE, CU, 20AWG, T	IN	.	6.40
	026-00013-0000		WIRE, COAX, RG-178	IN	.	4.75
	030-02174-0001		PIN CONT	EA	.	2.00
	030-02174-0004		PIN CONTACT	EA	.	9.00
	047-08202-0001		FENCE VCO	EA	.	1.00
	047-08203-0001		FENCE PRESELECT/IF	EA	.	1.00
	047-08208-0001		COVER VCO	EA	.	1.00
	047-08209-0001		COVER PRESELECT/IF	EA	.	1.00
	047-08476-0002		SHIELD VCO W/INS	EA	.	1.00
	047-08477-0002		SHIELD PRESELW/INS	EA	.	1.00
	047-08550-0002		GERMAN SHIELD	EA	.	1.00
	089-06004-0003		SCR FHP 2-56X3/16	EA	.	3.00
	090-00213-0000		FUSE CLIP 1/4 IN.	EA	.	2.00
	091-00025-0000		WSHR XSTR INSUL	EA	.	1.00
	150-00003-0010		TUBING TFLN 24AWG	IN	.	1.08
	150-00005-0010		TUBING TFLN 20AWG	IN	.	6.40
	150-00103-0000		SLDR SLEEVE	EA	.	2.00
	155-02031-0027		JUMPER CABLE 9C	EA	.	1.00
	155-02031-0030		JUMPER CABLE 9C	EA	.	1.00
	200-07799-0099		COMMON BOM	EA	1.00	.
	200-08506-0000		PC BOARD	EA	.	1.00
	200-08506-0004		PC BOARD	EA	.	1.00
	200-08939-0000		FILTER BD	EA	.	1.00

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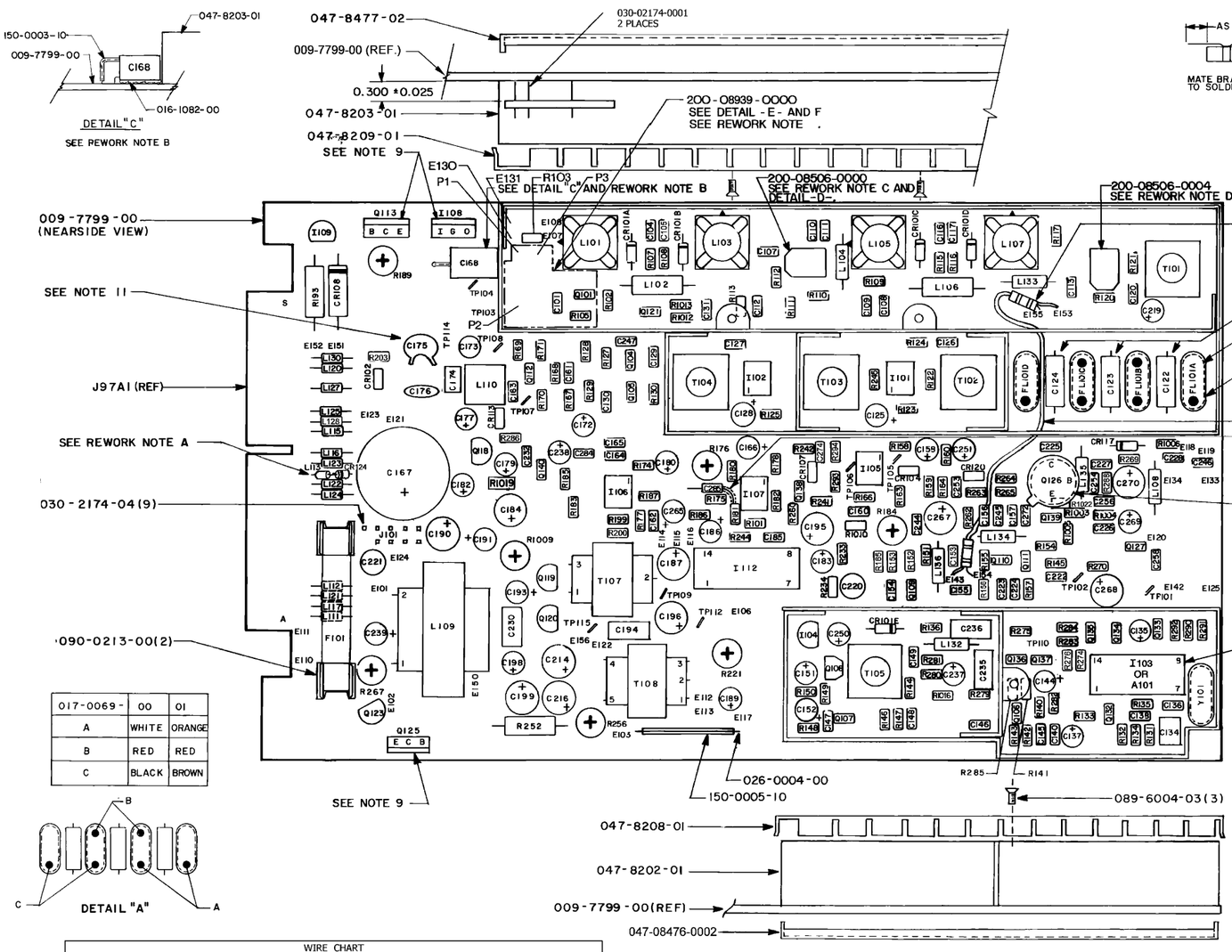


017-0069-	00	01
A	WHITE	ORANGE
B	RED	RED
C	BLACK	BROWN

DETAIL "A"

WIRE CHART					
FROM	TO	DESCRIPTION	P/N	P/N	LENGTH
E143/E153	E154/E155	COAX RG178	026-00013-0000		4.25"
E162	E121	20 AWG TINNED COPPER	026-00004-0000	150-00005-0010	3.6"
E101	POSITIVE TERMINAL OF C167	18 AWG RED	025-00005-0002		1.4"
E124	E161	20 AWG TINNED COPPER	026-00004-0000	150-00005-0010	2.5"
E151	E152	20 AWG TINNED COPPER	026-00004-0000	150-00005-0010	0.3"

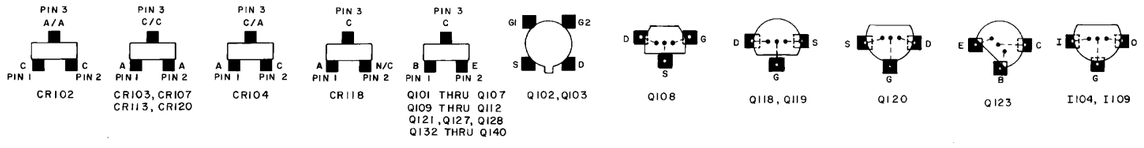


FIGURE 6-15 KY 97A (14V) Main Board Assembly (Sht 1 of 2)
(Dwg No 300-07799-0000, Rev BH, Sht 1)

NOTES:

1. PRIOR TO POST COATING BOTH SIDES OF P.C BOARD WITH KPN 016-1040-00, MASK OFF THE FOLLOWING; ALL MOUNTING AREAS AND AREAS WHERE THE CASTING COMES IN CONTACT WITH THE BOARD SURFACE, ALL TEST POINTS, ALL "E" NUMBERS, J97A1, ALL POTS, FI01, Q113, Q122, Q125, I108, L101, L103, L105, L107, T101, T104, T103, T102, T105, C134, L110, L131, TP103, TP114.
2. NOTE DELETED
3. COMPONENT HEIGHT NOT TO EXCEED .800" MAX. UNLESS OTHERWISE NOTED.
4. LEAD PROTRUSION ON FARSIDE OF BOARD NOT TO EXCEED .035".
5. **ALL FENCES AND ALL SHIELDS MUST BE FLUSH AGAINST P.C. BOARD AND CONTINUOUSLY SOLDERED TO BOARD, EXCEPT FOR AN AREA NEAR R1024.**
6. L101, L103, L105, L107, MUST BE INSTALLED WITH TABS IN POSITION SHOWN.
7. FL101A,B,C,D, MUST BE INSTALLED AS A SET WITH COLOR DOTS AS SHOWN IN DETAIL A. IF ONE CRYSTAL OF THE SET IS REPLACED, THEY MUST ALL BE REPLACED.
8. CR101A,B,C,D & E ARE A MATCHED SET OF 5. IF ONE IS REPLACED, THEY MUST ALL BE REPLACED.
9. Q113, Q125, I108 ON NEXT ASSEMBLY.
10. NOT ALL PARTS ARE USED. REFER TO RESPECTIVE EBOMS.
11. C175 SHOULD LAY FLAT ON BOARD TO AVOID INTERFERENCE WITH AUDIO AMP BOARD 200-7797-00.
12. SYNTHESIZER SELECT:

200-07799-0000,0002		200-07799-0020,0022	
I103	120-03317-0000	A101	200-08777-0010

13. PIN 1 OF J9001A ON A101 IS PIN 1 OF A101.
14. INSTALL JUMPER CABLE (155-02031-0027) AT LOCATION E125 TO E133 AND JUMPER CABLE (155-02031-0030) AT LOCATION E134 TO E142.

REWORK NOTES:

A. ADD CR124 CATHODE IS CONNECTED WITH L113.

B. REINSTALL C168 PER DETAIL "C" TO AVOID INTERFERENCE WITH AUDIO BOARD.

C. INSTALL 200-08506-0000 ON BUSS WIRES IN PLACE FORMERLY OCCUPIED BY Q102 AS SHOWN. RUN E1501 TO JUNCTION OF R109, R110, AND SOLDER. INSTALL 013-00006-0003 FERRITE BEAD THROUGH BUSS WIRE LOCATED AT P3 OF DETAIL -D-. APPLY RTV 016-01082-0000 SPARINGLY TO FERRITE BEAD AND BOARD.

D. INSTALL 200-08506-0004 ON BUSS WIRES IN PLACE FORMERLY OCCUPIED BY Q103 AS SHOWN.

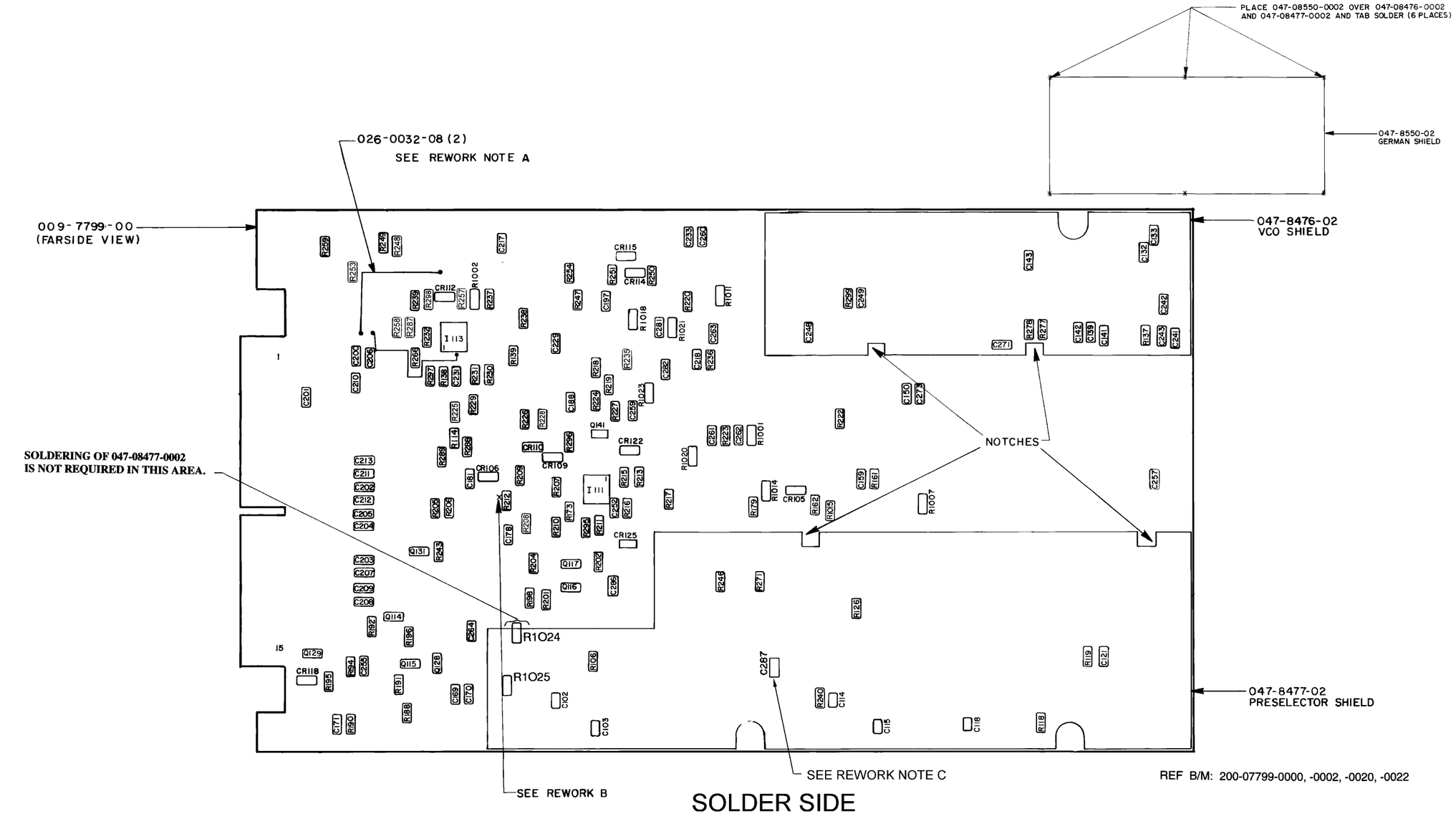
E. MOVE RCVR COAX FROM E107 AND E108 TO E130 AND E131, RESPECTIVELY. INSTALL PINS (030-02174-0001) INTO P1 AND P2. CUT LEADS OF L137 TO 0.25 INCHES AND INSTALL IN P3. SEE DETAIL F. RELOCATE R103 TO ITS NEW POSITION AS SHOWN. INSTALL R1024 AND R1025 ON FARSIDE OF BOARD, AS SHOWN. REMOVE THE SLUGS, BY TURNING COUNTER-CLOCKWISE, FROM L1 AND L2 (PART OF 200-08939-0000). INSTALL 200-08939-0000 BY PLACING PINS P1 AND P2 INTO J1 AND J2, RESPECTIVELY. MOUNT 200-08939-0000 SUCH THAT IT HAS A MINIMUM HEIGHT OF 0.300 ± 0.025" ABOVE THE TOP OF THE MAIN BOARD, 300-07799-0000.

F. INSTALL WIRES PER WIRING CHART.

G. REMOVE PATH AS SHOWN ON SHEET 2 ON COMPONENT SIDE.

REF B/M: 200-07799-0000, -0002, -0020, -0022

Dwg 300-07799-0000 Rev BH Sht 1



REF B/M: 200-07799-0000, -0002, -0020, -0022

REWORK NOTES:

(LOCATIONS OF NOTES A, B & C ALSO SHOWN ON PAGE 4)

A. INSTALL MAGWIRE AS SHOWN.

B REMOVE PATH SHORTING R1019.

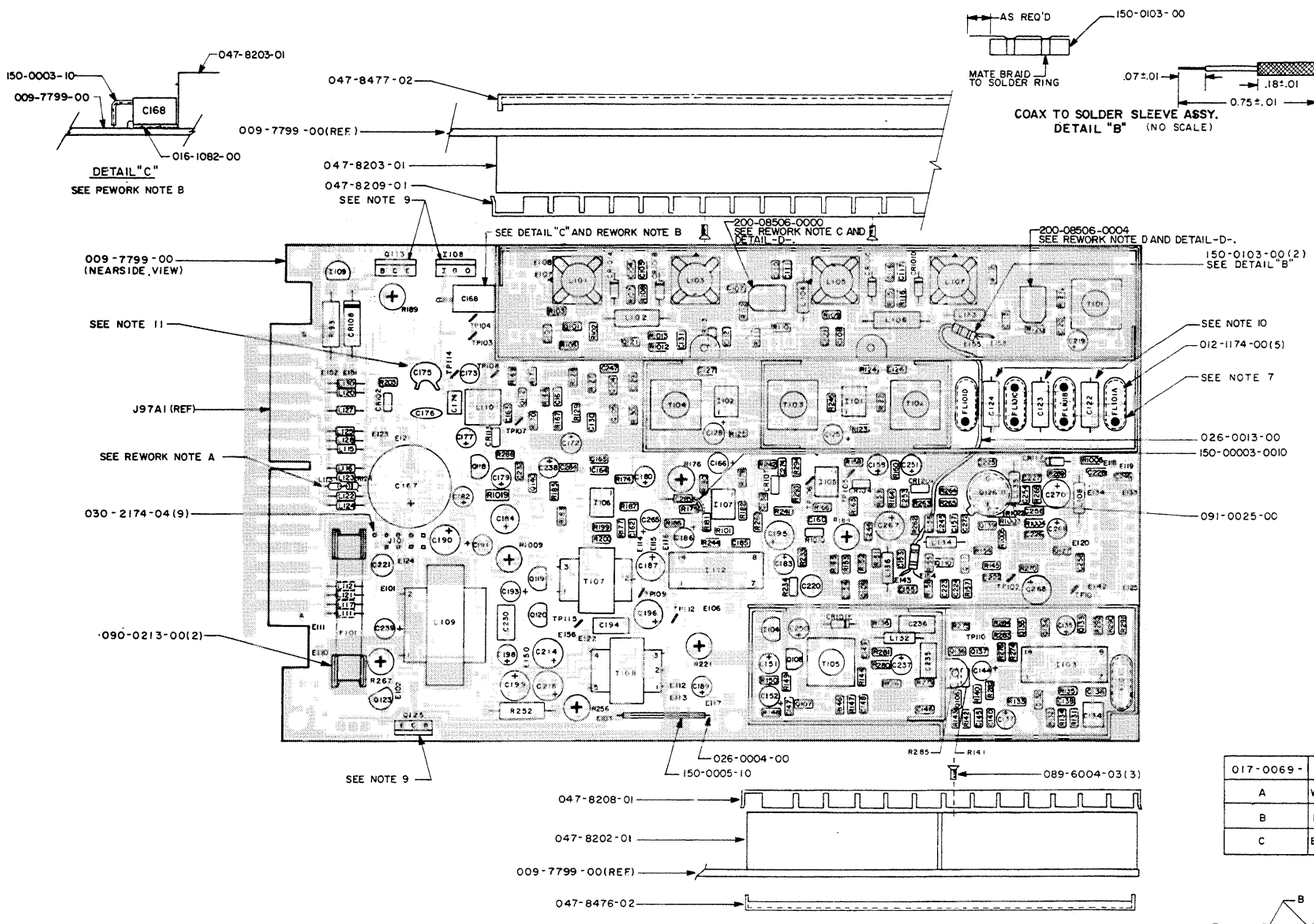
C. INSTALL C287 BY SOLDERING ONE END TO SOURCE OF Q1501 AND THE OTHER END TO GROUND (REMOVE SOLDER MASK).

D. INSTALL WIRE PER WIRING CHART ON SHEET 1.

E. REMOVE PATHS AS SHOWN ON SHEET 4 ON SOLDER SIDE.

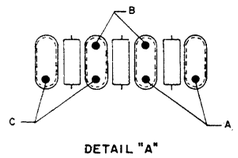
Dwg 300-07799-0000 Rev BH Sht 3

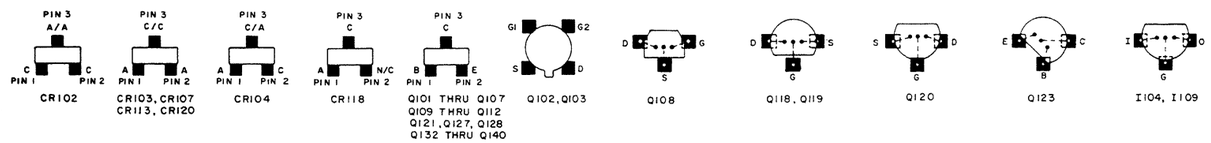
FIGURE 6-15 KY 97A (14V) Main Board Assembly (Sht 2 of 2)
(Dwg No 300-07799-0000, Rev BH, Sht 3)



WIRING CHART				
FROM	TO	DESCRIPTION	KPN	LENGTH
E143/E153	E154/E155	COAX RG178	026-0013-00	4.25"

017-0069-	00	01
A	WHITE	ORANGE
B	RED	RED
C	BLACK	BROWN





NOTES:

1. PRIOR TO POST COATING BOTH SIDES OF P.C. BOARD WITH KPN 016-1040-00, MASK OFF THE FOLLOWING; ALL MOUNTING AREAS AND AREAS WHERE THE CASTING COMES IN CONTACT WITH THE BOARD SURFACE, ALL TEST POINTS, ALL "E" NUMBERS, J97A1, ALL POTS, F101, Q113, Q122, Q125, I108, L101, L103, L105, L107, T101, T104, T103, T102, T105, C134, L110, L131.
2.
3. COMPONENT HEIGHT NOT TO EXCEED .800" MAX. UNLESS OTHERWISE NOTED.
4. LEAD PROTRUSION ON FARSIDE OF BOARD NOT TO EXCEED .035".
5. ALL FENCES AND ALL SHIELDS MUST BE FLUSH AGAINST P.C. BOARD AND CONTINUOUSLY SOLDERED TO BOARD.
6. L101, L103, L105, L107, MUST BE INSTALLED WITH TABS IN POSITION SHOWN.
7. FL101A, B, C, D, MUST BE INSTALLED AS A SET WITH COLOR DOTS AS SHOWN IN DETAIL A. IF ONE CRYSTAL OF THE SET IS REPLACED, THEY MUST ALL BE REPLACED.
8. CR101A, B, C, D & E ARE A MATCHED SET OF 5. IF ONE IS REPLACED, THEY MUST ALL BE REPLACED.
9. Q113, Q125, I108 ON NEXT ASSEMBLY.
10. C122, C123, C124 NOT ON 200-7799-02.
11. C175 SHOULD LAY FLAT ON BOARD TO AVOID INTERFERENCE WITH AUDIO AMP BOARD 200-7797-00.

REWORK NOTES:

A. ADD CR124 CATHODE IS CONNECTED WITH L113.

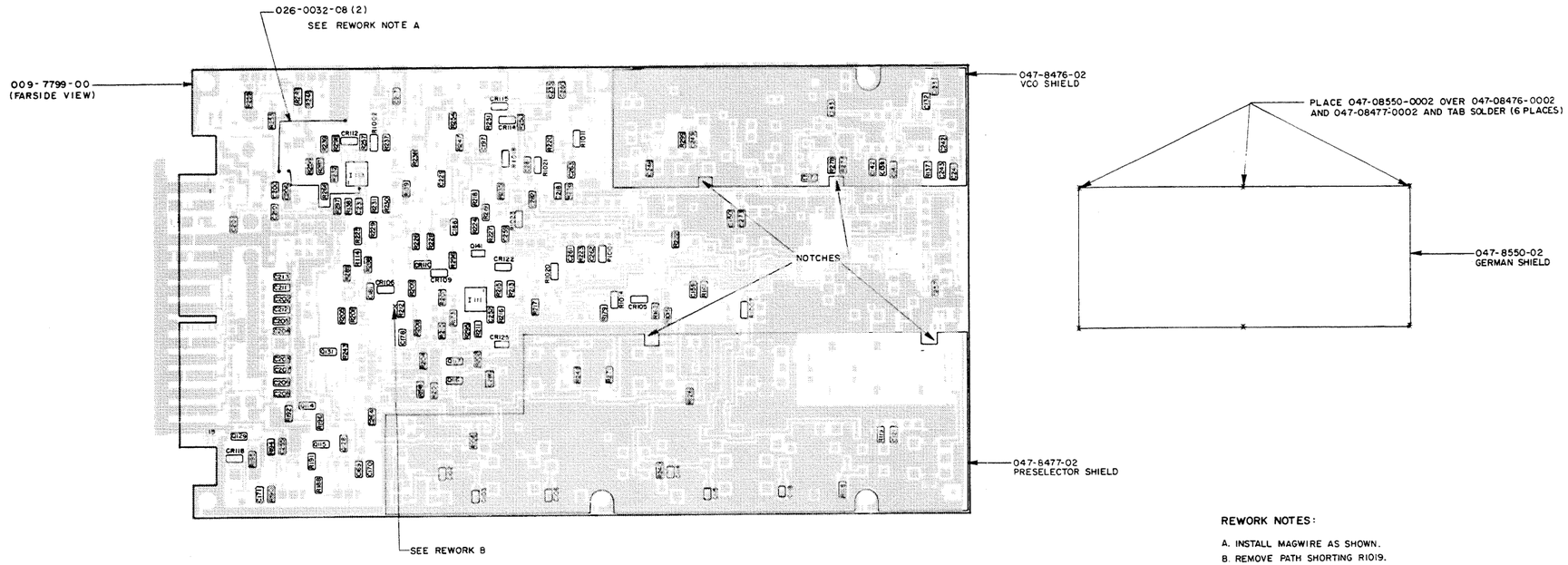
B. REINSTALL C168 PER DETAIL C TO AVOID INTERFERENCE WITH AUDIO BOARD.

C. INSTALL 200-08506-0000 ON BUSS WIRES IN PLACE FORMALLY OCCUPIED BY Q102 AS SHOWN. RUN E1501 TO JUNCTION OF R109, R110 AND SOLDER. INSTALL 013-00006-0003 FERRITE BEAD THROUGH BUSS WIRE LOCATED AT F3 OF DETAIL-D; APPLY RTV 016-01082-0000 SPARINGLY TO FERRITE BEAD AND BOARD.

D. INSTALL 200-08506-0004 ON BUSS WIRES IN PLACE FORMALLY OCCUPIED BY Q103 AS SHOWN.

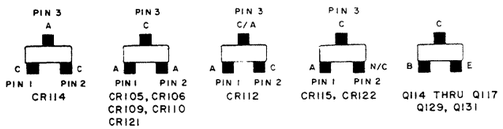
Dwg 300-07799-0000 Rev 18

FIGURE 6-15A KY 97A (14V) Main Board Assembly (Sht 1 of 2)
(Dwg No 300-07799-0000, Rev 18)



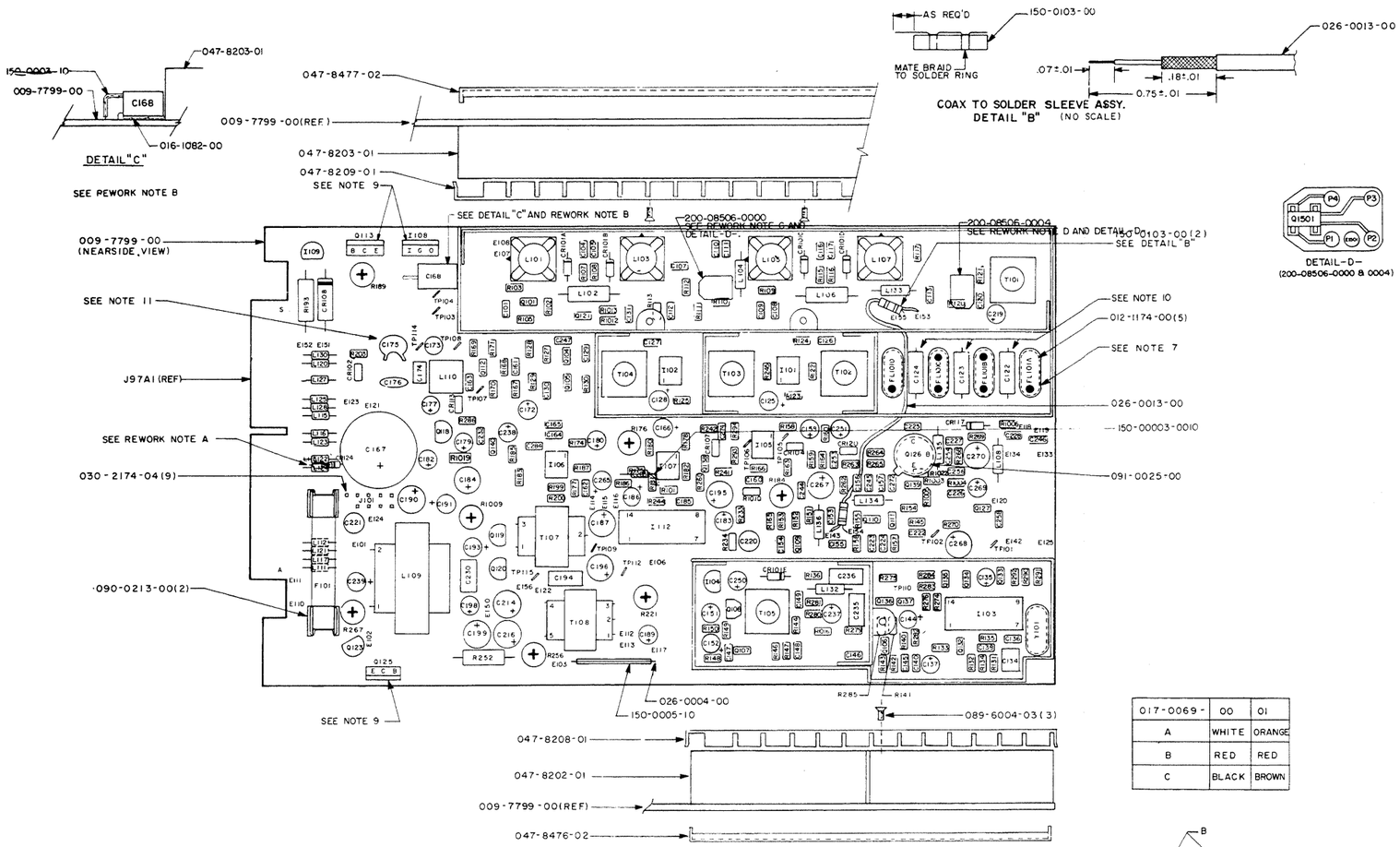
REWORK NOTES:

A. INSTALL MAGWIRE AS SHOWN.
B. REMOVE PATH SHORTING R1019.



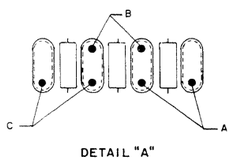
Dwg 300-07799-0000 Rev 18

FIGURE 6-15A KY 97A (14V) Main Board Assembly (Sht 2 of 2)
(Dwg No 300-07799-0000, Rev 18)

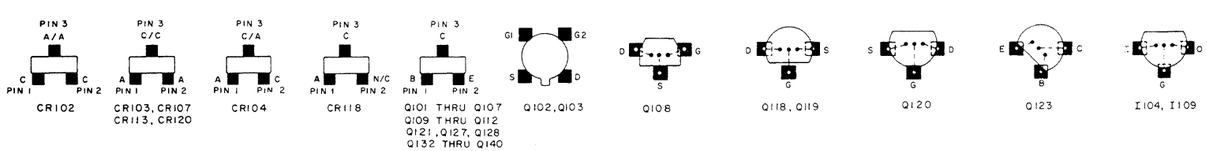


WIRING CHART				
FROM	TO	DESCRIPTION	KPN	LENGTH
E143/E153	E154/E155	COAX RG178	026-0013-00	4.25"

017-0069-	00	01
A	WHITE	ORANGE
B	RED	RED
C	BLACK	BROWN



DETAIL "A"



NOTES:

1. PRIOR TO POST COATING BOTH SIDES OF P.C. BOARD WITH KPN 016-1040-00, MASK OFF THE FOLLOWING; ALL MOUNTING AREAS AND AREAS WHERE THE CASTING COMES IN CONTACT WITH THE BOARD SURFACE, ALL TEST POINTS, ALL "E" NUMBERS, J97A1, ALL POTS, F101, Q113, Q122, Q125, I108, L101, L103, L105, L107, T101, T104, T103, T102, T105, C134, L110, L131.
2.
3. COMPONENT HEIGHT NOT TO EXCEED .800" MAX. UNLESS OTHERWISE NOTED.
4. LEAD PROTRUSION ON FARSIDE OF BOARD NOT TO EXCEED .035".
5. ALL FENCES AND ALL SHIELDS MUST BE FLUSH AGAINST P.C. BOARD AND CONTINUOUSLY SOLDERED TO BOARD.
6. L101, L103, L105, L107, MUST BE INSTALLED WITH TABS IN POSITION SHOWN.
7. FL101A,B,C,D, MUST BE INSTALLED AS A SET WITH COLOR DOTS AS SHOWN IN DETAIL A. IF ONE CRYSTAL OF THE SET IS REPLACED, THEY MUST ALL BE REPLACED.
8. CR101A,B,C,D & E ARE A MATCHED SET OF 5. IF ONE IS REPLACED, THEY MUST ALL BE REPLACED.
9. Q113, Q125, I108 ON NEXT ASSEMBLY.
10. C122, C123, C124 NOT ON 200-7799-02.
11. C175 SHOULD LAY FLAT ON BOARD TO AVOID INTERFERENCE WITH AUDIO AMP BOARD 200-7797-00.

REWORK NOTES

A. ADD CR124 CATHODE IS CONNECTED WITH L113.

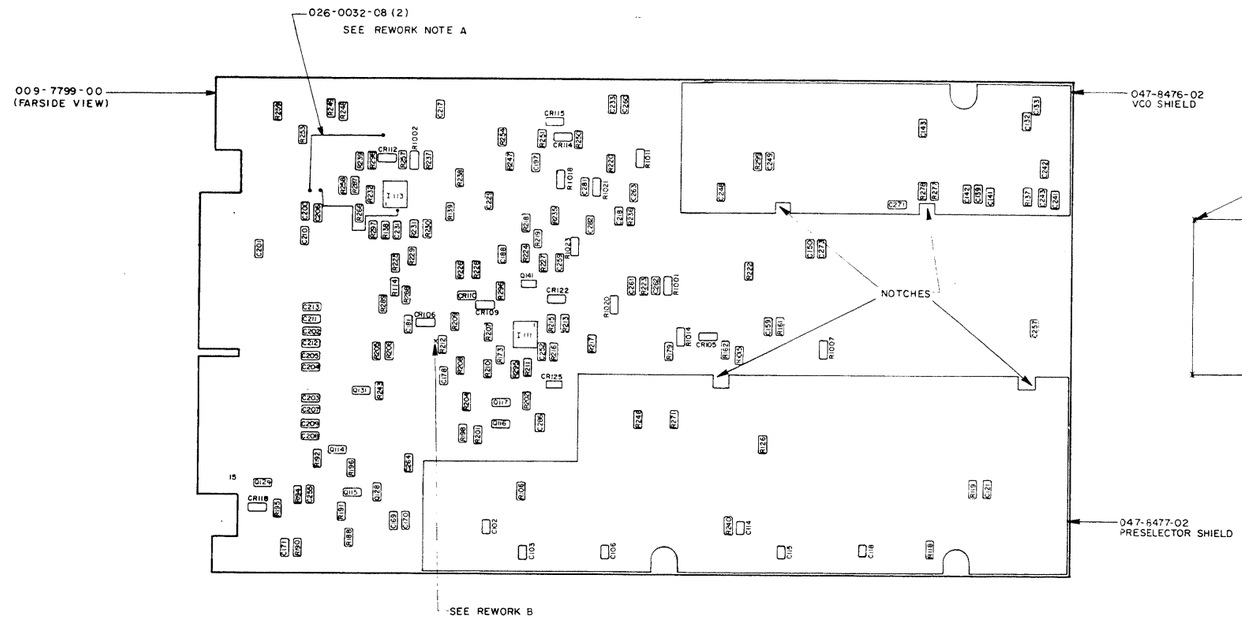
B. REINSTALL C168 PER DETAIL C TO AVOID INTERFERENCE WITH AUDIO BOARD.

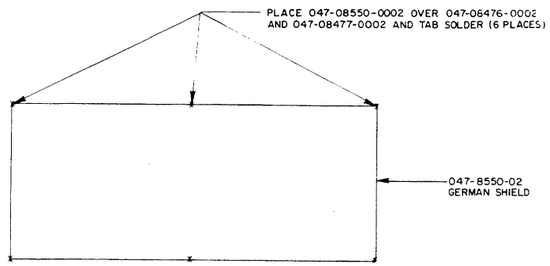
C. INSTALL 200-08506-0000 ON BUSS WIRES IN PLACE FORMALLY OCCUPIED BY Q102 AS SHOWN. RUN E1501 TO JUNCTION OF R109, R110 AND SOLDER. INSTALL 013-00006-0003 FERRITE BEAD THROUGH BUSS WIRE LOCATED AT P3 OF DETAIL-D-.

D. INSTALL 200-08506-0004 ON BUSS WIRES IN PLACE FORMALLY OCCUPIED BY Q103 AS SHOWN.

Dwg 300-07799-0000 Rev 17

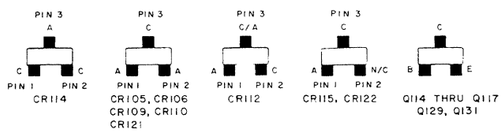
FIGURE 6-15B KY 97A (14V) Main Board Assembly (Sht 1 of 2)
(Dwg No 300-07799-0000, Rev 17)





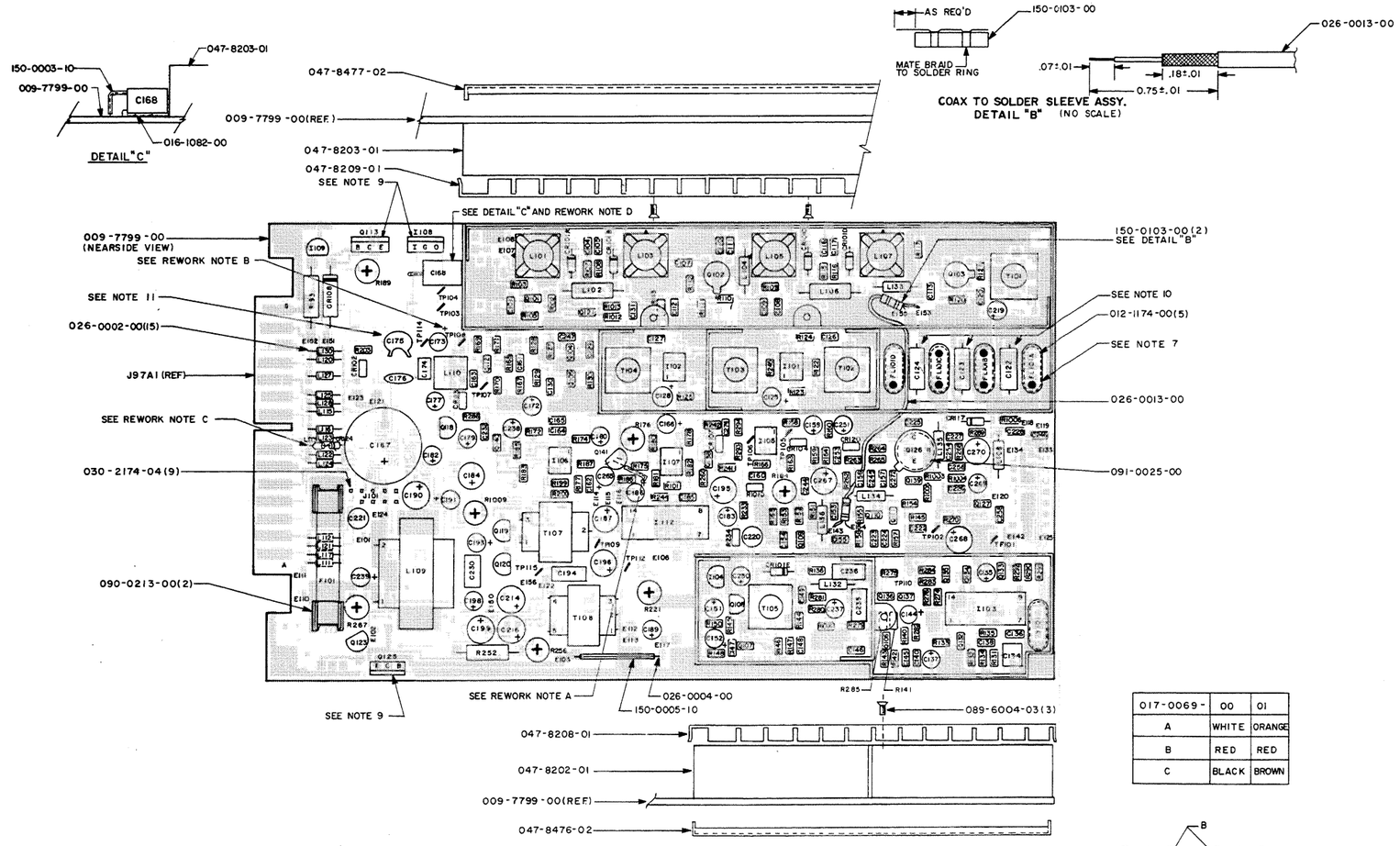
REWORK NOTES:

A. INSTALL MAGWIRE AS SHOWN.
B. REMOVE PATH SHORTING R1019.



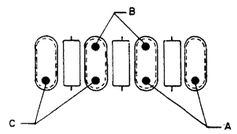
Dwg 300-07799-0000 Rev 17

FIGURE 6-15B KY 97A (14V) Main Board Assembly (Sht 2 of 2)
(Dwg No 300-07799-0000, Rev 17)

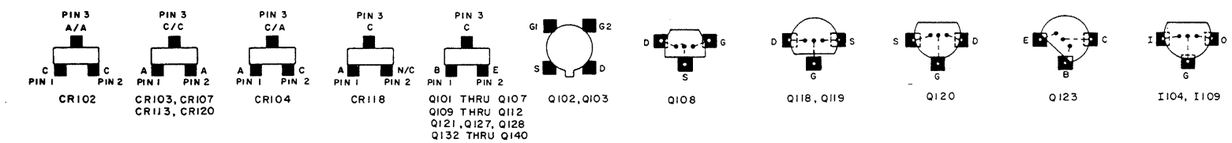


WIRING CHART				
FROM	TO	DESCRIPTION	KPN	LENGTH
E143/E153	E154/E155	COAX RG178	026-0013-00	4.25"

017-0069-	00	01
A	WHITE	ORANGE
B	RED	RED
C	BLACK	BROWN



DETAIL "A"



NOTES:

1. PRIOR TO POST COATING BOTH SIDES OF P.C. BOARD WITH KPN 016-1040-00, MASK OFF THE FOLLOWING; ALL MOUNTING AREAS AND AREAS WHERE THE CASTING COMES IN CONTACT WITH THE BOARD SURFACE, ALL TEST POINTS, ALL "E" NUMBERS, J97A1, ALL POTS, F101, Q113, Q122, Q125, T108, L101, L103, L105, L107, T101, T104, T103, T102, T105, C134, L110, L131.
2.
3. COMPONENT HEIGHT NOT TO EXCEED .800" MAX. UNLESS OTHERWISE NOTED.
4. LEAD PROTRUSION ON FARSIDE OF BOARD NOT TO EXCEED .035".
5. ALL FENCES AND ALL SHIELDS MUST BE FLUSH AGAINST P.C. BOARD AND CONTINUOUSLY SOLDERED TO BOARD.
6. L101, L103, L105, L107, MUST BE INSTALLED WITH TABS IN POSITION SHOWN.
7. FL101A, B, C, D, MUST BE INSTALLED AS A SET WITH COLOR DOTS AS SHOWN IN DETAIL A. IF ONE CRYSTAL OF THE SET IS REPLACED, THEY MUST ALL BE REPLACED.
8. CR101A, B, C, D & E ARE A MATCHED SET OF 5. IF ONE IS REPLACED, THEY MUST ALL BE REPLACED.
9. Q113, Q125, I108 ON NEXT ASSEMBLY.
10. C122, C123, C124 NOT ON 200-7799-02.
11. C175 SHOULD LAY FLAT ON BOARD TO AVOID INTERFERENCE WITH AUDIO AMP BOARD 200-7797-00.

REWORK NOTES:

A. ADD EYELET 092-5015-06 AT THE + SYMBOL FOR C186. WRAP THE BASE LEAD OF Q141 AROUND THE LEAD OF R1020 THAT COMES THROUGH FROM THE FARSIDE. ENCLOSE THE BASE LEAD OF Q141 WITH 150-0003-10.

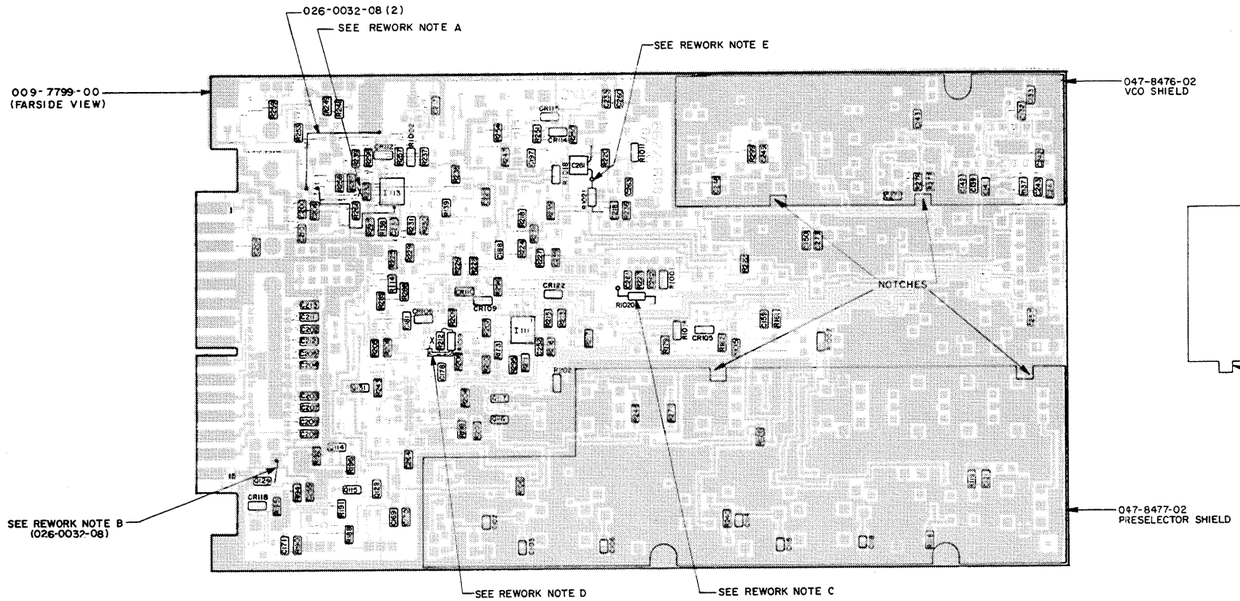
B. REMOVE THE + SYMBOL FOR C173 AND REINSTALL C173.

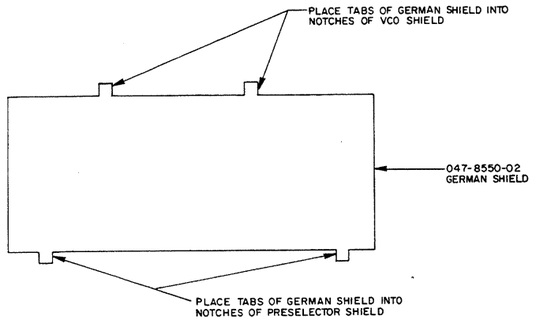
C. ADD CR124 CATHODE IS CONNECTED WITH L113.

D. REINSTALL C168 PER DETAIL C TO AVOID INTERFERENCE WITH AUDIO BOARD.

Dwg 300-07799-0000 Rev 7

FIGURE 6-15C KY 97A (14V) Main Board Assembly (Sht 1 of 2)
(Dwg No 300-07799-0000, Rev 7)





REWORK NOTES:

A. CUT PATH AND INSTALL MAGWIRE AS SHOWN.
B. INSTALL MAGWIRE AS SHOWN.
C. ADD R1020 AS SHOWN.
D. CUT PATH AND ADD R1019 AS SHOWN WITH SLEEVING 150-0003-10.
E. ADD EYELET 092-5015-00 AND R1021, C281 AS SHOWN.

Dwg 300-07799-0000 Rev 7

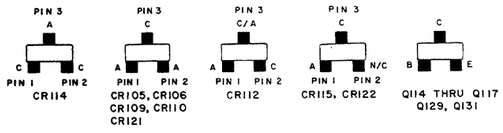
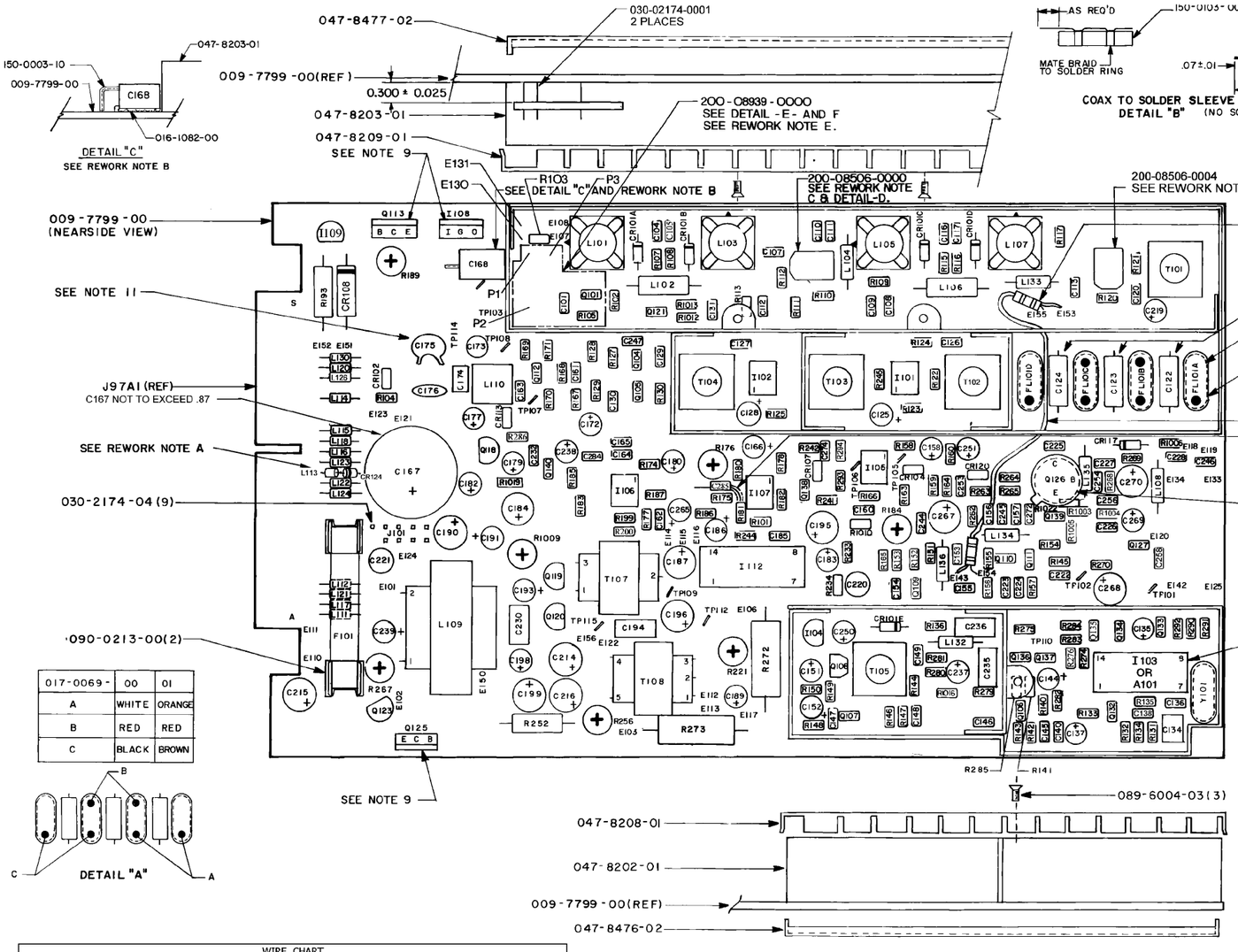


FIGURE 6-15C KY 97A (14V) Main Board Assembly (Sht 2 of 2)
(Dwg No 300-07799-0000, Rev 7)



017-0069-	00	01
A	WHITE	ORANGE
B	RED	RED
C	BLACK	BRWON

WIRE CHART					
FROM	TO	DESCRIPTION	P/N	P/N	LENGTH
E143/E153	E154/E155	COAX RG178	026-00013-0000		4.25"
E162	E121	20 AWG TINNED COPPER	026-00004-0000	150-00005-0010	3.6"
E101	POSITIVE TERMINAL OF C167	18 AWG RED	025-00005-0002		1.4"
E124	E161	20 AWG TINNED COPPER	026-00004-0000	150-00005-0010	2.5"
E151	E152	20 AWG TINNED COPPER	026-00004-0000	150-00005-0010	0.3"

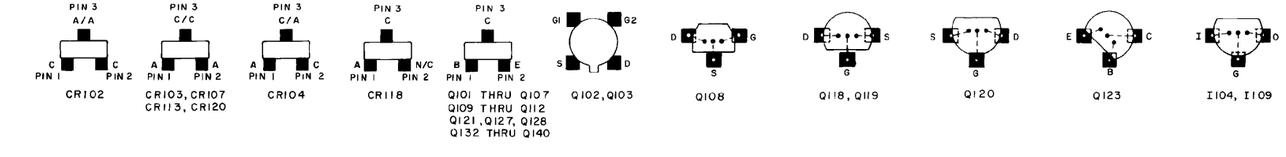


FIGURE 6-16 KY 96A (28V) Main Board Assembly (Sht 1 of 2)
(Dwg No 300-07799-0001, Rev BJ, Sht 1)

NOTES:

1. PRIOR TO POST COATING BOTH SIDES OF P.C. BOARD WITH KPN 016-1040-00, MASK OFF THE FOLLOWING; ALL MOUNTING AREAS AND AREAS WHERE THE CASTING COMES IN CONTACT WITH THE BOARD SURFACE, ALL TEST POINTS, ALL "E" NUMBERS, J97A1, ALL POTS, FI01, Q113, Q122, Q125, I108, LI01, LI03, LI05, LI07, TI01, TI04, TI03, TI02, TI05, CI34, LI10, LI31, TP103, TP114
2. NOTE DELETED.
3. COMPONENT HEIGHT NOT TO EXCEED .800" MAX. UNLESS OTHERWISE NOTED.
4. LEAD PROTRUSION ON FARSIDE OF BOARD NOT TO EXCEED .035"
5. **ALL FENCES AND ALL SHIELDS MUST BE FLUSH AGAINST P.C. BOARD AND CONTINUOUSLY SOLDERED TO BOARD, EXCEPT FOR AN AREA NEAR R1024.**
6. LI01, LI03, LI05, LI07, MUST BE INSTALLED WITH TABS IN POSITION SHOWN.
7. FLI01A,B,C,D, MUST BE INSTALLED AS A SET WITH COLOR DOTS AS SHOWN IN DETAIL A. IF ONE CRYSTAL OF THE SET IS REPLACED, THEY MUST ALL BE REPLACED.
8. CRI01A,B,C,D & E ARE A MATCHED SET OF 5. IF ONE IS REPLACED, THEY MUST ALL BE REPLACED.
9. Q113, Q125, I108 ON NEXT ASSEMBLY.
10. NOT ALL PARTS ARE USED. REFER TO RESPECTIVE EBOMS.
11. CI75 SHOULD LAY FLAT ON BOARD TO AVOID INTERFERENCE WITH AUDIO AMP BOARD 200-7797-00.
12. **SYNTHESIZER SELECT:**

200-07799-0001, 0003		200-07799-0021, 0023	
I103	120-03317-0000	A101	200-08777-0010

13. PIN 1 OF J9001A ON A101 IS PIN 1 OF A101.
14. INSTALL JUMPER CABLE (155-02031-0027) AT LOCATION E125 TO E133 AND JUMPER CABLE (155-02031-0030) AT LOCATION E134 TO E142.

REWORK-NOTES: (Component Side)

A. ADD CR124 CATHODE IS CONNECTED WITH L113.

B. REINSTALL C168 PER DETAIL "C" TO AVOID INTERFERENCE WITH AUDIO BOARD.

C. INSTALL 200-08506-0000 ON BUSS WIRES IN PLACE FORMERLY OCCUPIED BY Q102 AS SHOWN. RUN E1501 TO JUNCTION OF R109, R110, AND SOLDER. INSTALL 013-00006-0003 FERRITE BEAD THROUGH BUSS WIRE LOCATED AT P3 OF DETAIL -D-. APPLY RTV 016-01082-0000 SPARINGLY TO FERRITE BEAD AND BOARD.

D. INSTALL 200-08506-0004 ON BUSS WIRES IN PLACE FORMERLY OCCUPIED BY Q103 AS SHOWN.

E. MOVE RCVR COAX FROM E107 AND E108 TO E130 AND E131, RESPECTIVELY. INSTALL PINS (030-02174-0001) INTO P1 AND P2. CUT LEADS OF L137 TO 0.25 INCHES AND INSTALL IN P3. SEE DETAIL F. RELOCATE R103 TO ITS NEW POSITION AS SHOWN. INSTALL R1024 AND R1025 ON FARSIDE OF BOARD, AS SHOWN. REMOVE THE SLUGS, BY TURNING COUNTER-CLOCKWISE, FROM L1 AND L2 (PART OF 200-08939-0000). INSTALL 200-08939-0000 BY PLACING PINS P1 AND P2 INTO J1 AND J2, RESPECTIVELY. MOUNT 200-08939-0000 SUCH THAT IT HAS A MINIMUM HEIGHT OF 0.300 ± 0.025" ABOVE THE TOP OF THE MAIN BOARD, 300-07799-0001.

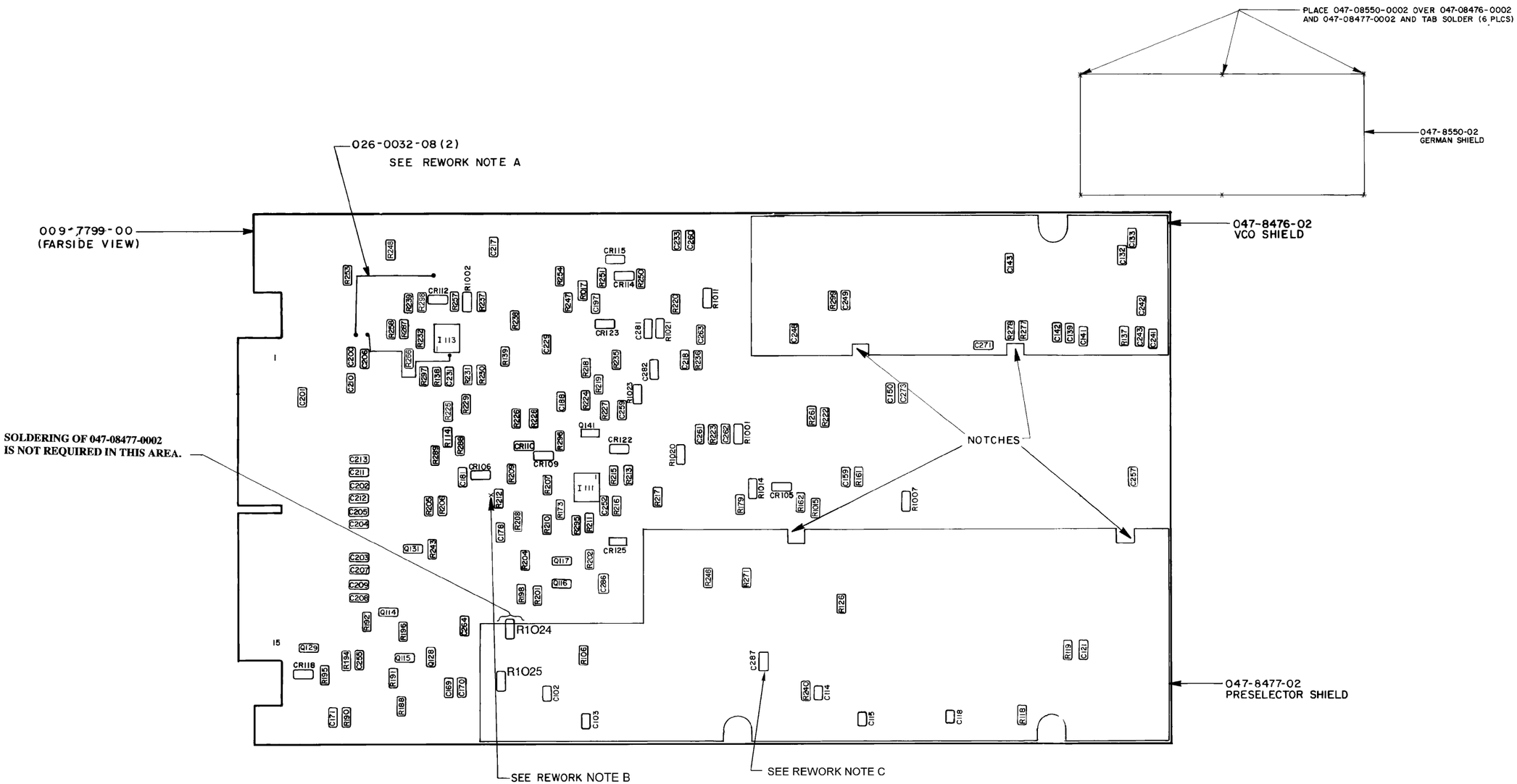
F. C285 INSTALLED BETWEEN VIAS A & B ON SHEET 2.

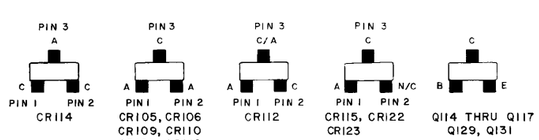
G. INSTALL WIRES PER WIRING CHART.

H. REMOVE PATH AS SHOWN ON SHEET 2 ON COMPONENT SIDE.

REF B/M: 200-07799-0001, -0003, -0021, -0023

Dwg 300-07799-0001 Rev BJ Sht 1





REWORK NOTES: (SOLDER SIDE)
(LOCATION OF NOTES A, B & C ALSO SHOWN ON PAGE 4)

A. INSTALL MAGWIRES AS SHOWN.

B. REMOVE PATH SHORTING R1019.

C. INSTALL C287 BY SOLDERING ONE END TO SOURCE OF Q150I AND THE OTHER END TO GROUND (REMOVE SOLDER MASK).

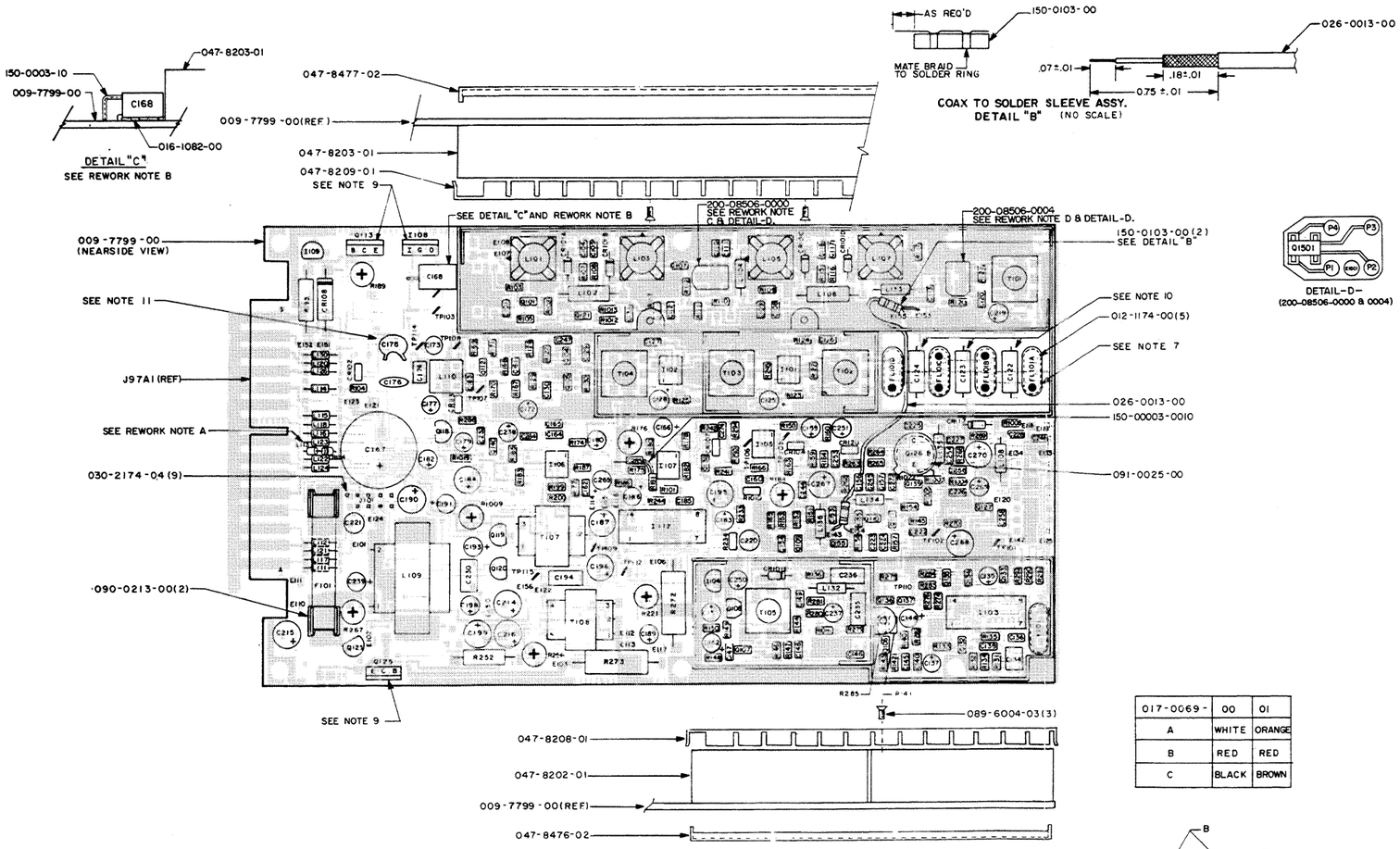
D. INSTALL WIRE PER WIRING CHART ON SHEET 1.

E. REMOVE PATHS AS SHOWN ON SHEET 4 ON SOLDER SIDE.

REF B/M: 200-07799-0001, -0003, -0021, -0023

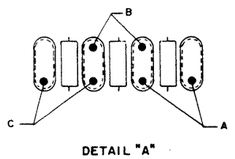
Dwg 300-07799-0001 Rev BJ Sht 3

FIGURE 6-16 KY 96A (28V) Main Board Assembly (Sht 2 of 2)
(Dwg No 300-07799-0001, Rev BJ, Sht 3)

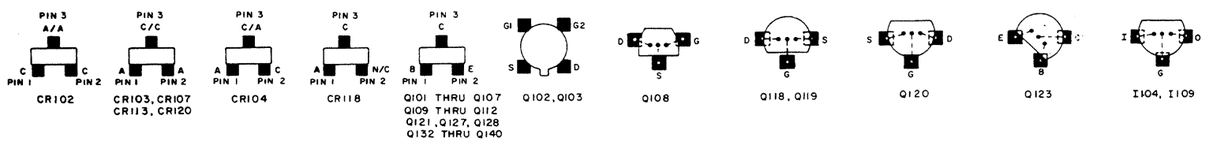


WIRING CHART				
FROM	TO	DESCRIPTION	KPN	LENGTH
E143/E153	E154/E155	COAX RG178	026-0013-00	4.25"

017-0069-	00	01
A	WHITE	ORANGE
B	RED	RED
C	BLACK	BROWN



DETAIL "A"



NOTES:

1. PRIOR TO POST COATING BOTH SIDES OF P.C. BOARD WITH KPN 016-1040-00, MASK OFF THE FOLLOWING; ALL MOUNTING AREAS AND AREAS WHERE THE CASTING COMES IN CONTACT WITH THE BOARD SURFACE, ALL TEST POINTS, ALL "E" NUMBERS, J97A1, ALL POTS, FI01, Q113, Q122, Q125, I108, L101, L103, L105, L107, T101, T104, T103, T102, T105, C134, L110, L131.
2.
3. COMPONENT HEIGHT NOT TO EXCEED .800" MAX. UNLESS OTHERWISE NOTED.
4. LEAD PROTRUSION ON FARSIDE OF BOARD NOT TO EXCEED .035".
5. ALL FENCES AND ALL SHIELDS MUST BE FLUSH AGAINST P.C. BOARD AND CONTINUOUSLY SOLDERED TO BOARD.
6. L101, L103, L105, L107, MUST BE INSTALLED WITH TABS IN POSITION SHOWN.
7. FL101A,B,C,D, MUST BE INSTALLED AS A SET WITH COLOR DOTS AS SHOWN IN DETAIL A. IF ONE CRYSTAL OF THE SET IS REPLACED, THEY MUST ALL BE REPLACED.
8. CR101A,B,C,D & E ARE A MATCHED SET OF 5. IF ONE IS REPLACED, THEY MUST ALL BE REPLACED.
9. Q113, Q125, I108 ON NEXT ASSEMBLY.
10. C122, C123, C124 NOT ON 200-7799-03.
11. C175 SHOULD LAY FLAT ON BOARD TO AVOID INTERFERENCE WITH AUDIO AMP BOARD 200-7797-00.

REWORK NOTES:

A. ADD CR124 CATHODE IS CONNECTED WITH L113.

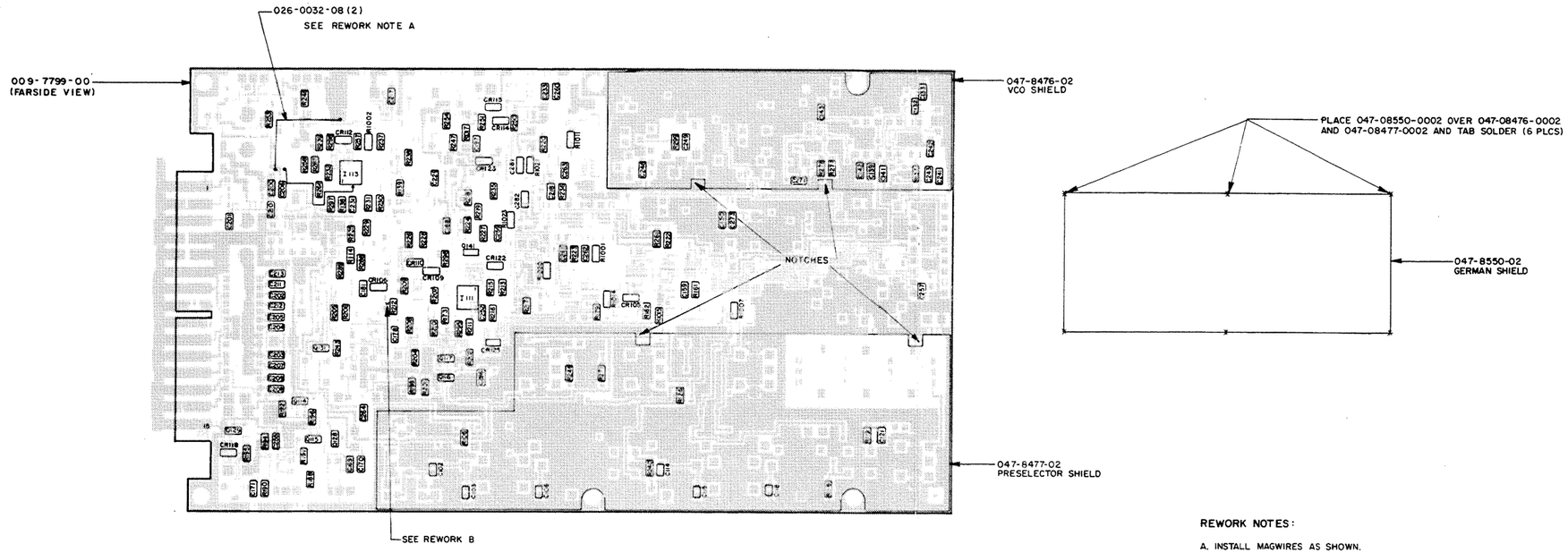
B. REINSTALL C168 PER DETAIL C TO AVOID INTERFERENCE WITH AUDIO BOARD.

C. INSTALL 200-08506-0000 ON BUSS WIRES IN PLACE FORMALLY OCCUPIED BY Q102 AS SHOWN. RUN E1501 TO JUNCTION OF R109, R110 AND SOLDER. INSTALL 013-00006-0003 FERRITE BEAD THROUGH BUSS WIRE LOCATED AT P3 OF DETAIL-D. APPLY RTV 016-01082-0000 SPARINGLY TO FERRITE BEAD AND BOARD.

D. INSTALL 200-08506-0004 ON BUSS WIRES IN PLACE FORMALLY OCCUPIED BY Q103 AS SHOWN.

Dwg 300-07799-0001 Rev 18

FIGURE 6-16A KY 96A (28V) Main Board Assembly (Sht 1 of 2) (Dwg No 300-07799-0001, Rev 18)



REWORK NOTES:

A. INSTALL MAGWIRES AS SHOWN.

B. REMOVE PATH SHORTING R1019.

Dwg 300-07799-0001 Rev 18

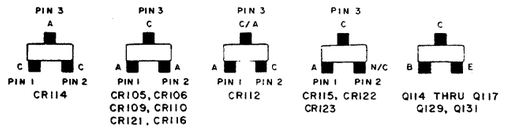
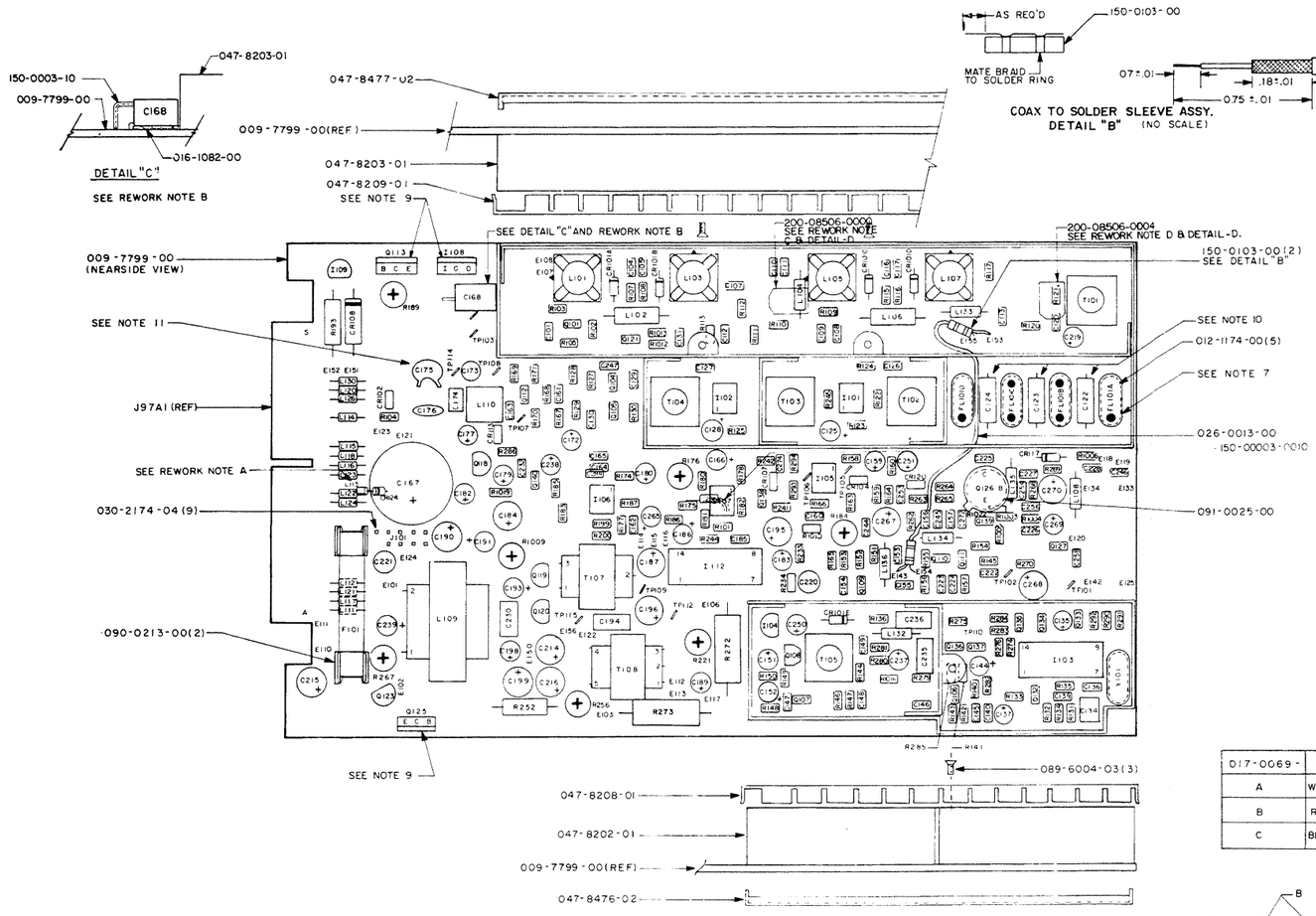
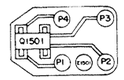


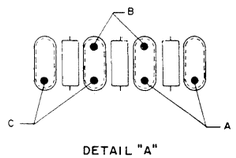
FIGURE 6-16A KY 96A (28V) Main Board Assembly (Sht 2 of 2)
(Dwg No 300-07799-0001, Rev 18)





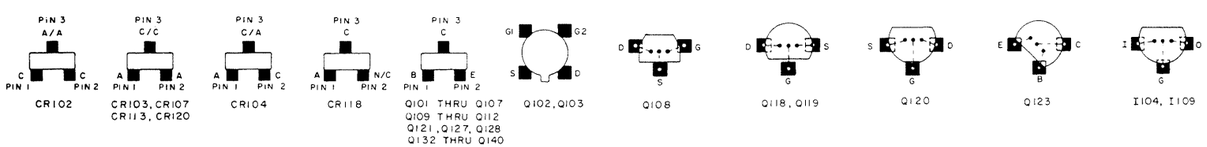
DETAIL-D-
(200-08506-0000 & 0004)

017-0069-	00	01
A	WHITE	ORANGE
B	RED	RED
C	BLACK	BROWN



DETAIL "A"

WIRING CHART				
FROM	TO	DESCRIPTION	KPN	LENGTH
E143/E153	E154/E155	COAX RG178	026-0013-00	4.25"



NOTES:

1. PRIOR TO POST COATING BOTH SIDES OF P.C. BOARD WITH KPN 016-1040-00, MASK OFF THE FOLLOWING; ALL MOUNTING AREAS AND AREAS WHERE THE CASTING COMES IN CONTACT WITH THE BOARD SURFACE, ALL TEST POINTS, ALL "E" NUMBERS, J97A1, ALL POTS, F101, Q113, Q122, Q125, I108, L101, L103, L105, L107, T101, T104, T103, T102, T105, C134, L110, L131.
2.
3. COMPONENT HEIGHT NOT TO EXCEED .800" MAX. UNLESS OTHERWISE NOTED.
4. LEAD PROTRUSION ON FARSIDE OF BOARD NOT TO EXCEED .035"
5. ALL FENCES AND ALL SHIELDS MUST BE FLUSH AGAINST P.C. BOARD AND CONTINUOUSLY SOLDERED TO BOARD.
6. L101, L103, L105, L107, MUST BE INSTALLED WITH TABS IN POSITION SHOWN.
7. FL101A, B, C, D, MUST BE INSTALLED AS A SET WITH COLOR DOTS AS SHOWN IN DETAIL A. IF ONE CRYSTAL OF THE SET IS REPLACED, THEY MUST ALL BE REPLACED.
8. CR101A, B, C, D & E ARE A MATCHED SET OF 5. IF ONE IS REPLACED, THEY MUST ALL BE REPLACED.
9. Q113, Q125, I108 ON NEXT ASSEMBLY.
10. C122, C123, C124 NOT ON 200-7799-03.
11. C175 SHOULD LAY FLAT ON BOARD TO AVOID INTERFERENCE WITH AUDIO AMP BOARD 200-7797-00.

REWORK NOTES:

A. ADD CR124 CATHODE IS CONNECTED WITH L113.

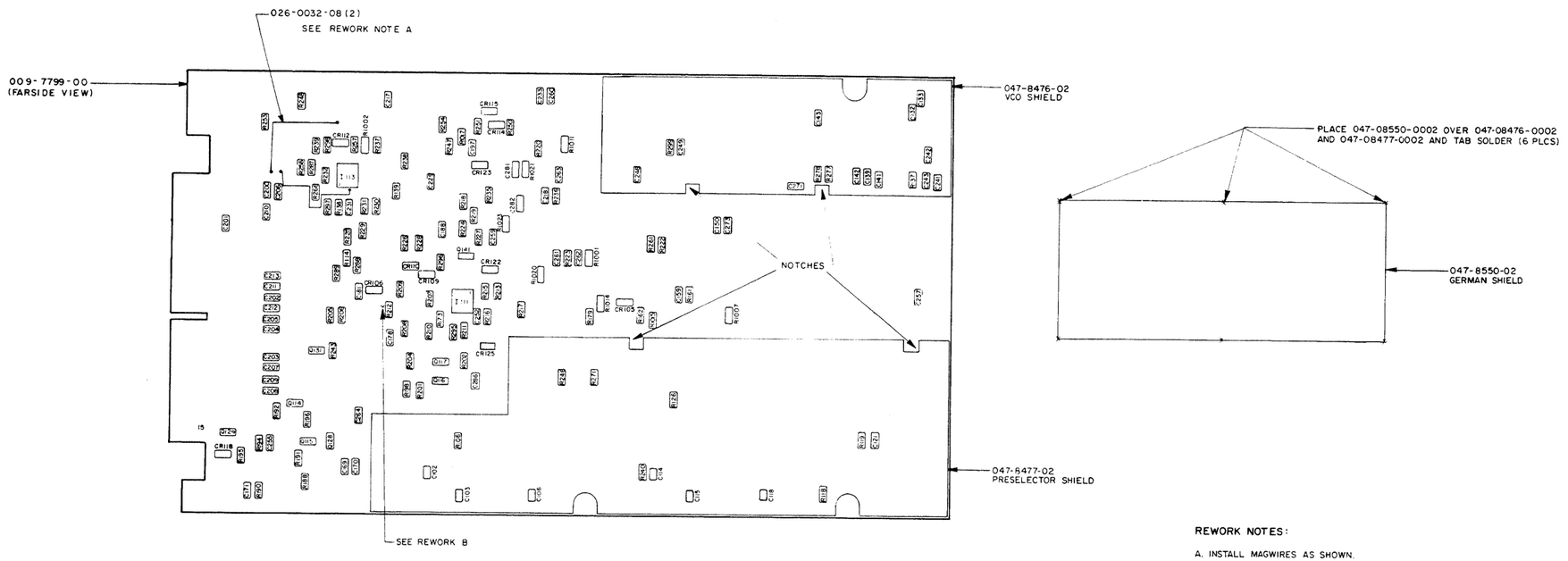
B. REINSTALL C168 PER DETAIL C TO AVOID INTERFERENCE WITH AUDIO BOARD.

C. INSTALL 200-08506-0000 ON BUSS WIRES IN PLACE FORMALLY OCCUPIED BY Q102 AS SHOWN. RUN E1501 TO JUNCTION OF R109, R110 AND SOLDER. INSTALL 013-00006-0003 FERRITE BEAD THROUGH BUSS WIRE LOCATED AT P3 OF DETAIL-D-.

D. INSTALL 200-08506-0004 ON BUSS WIRES IN PLACE FORMALLY OCCUPIED BY Q103 AS SHOWN.

Dwg 300-07799-0001 Rev 17

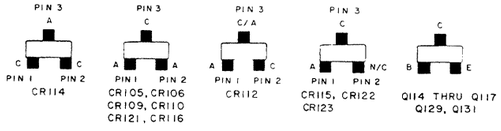
FIGURE 6-16B KY 96A (28V) Main Board Assembly (Sht 1 of 2) (Dwg No 300-07799-0001, Rev 17)



REWORK NOTES:

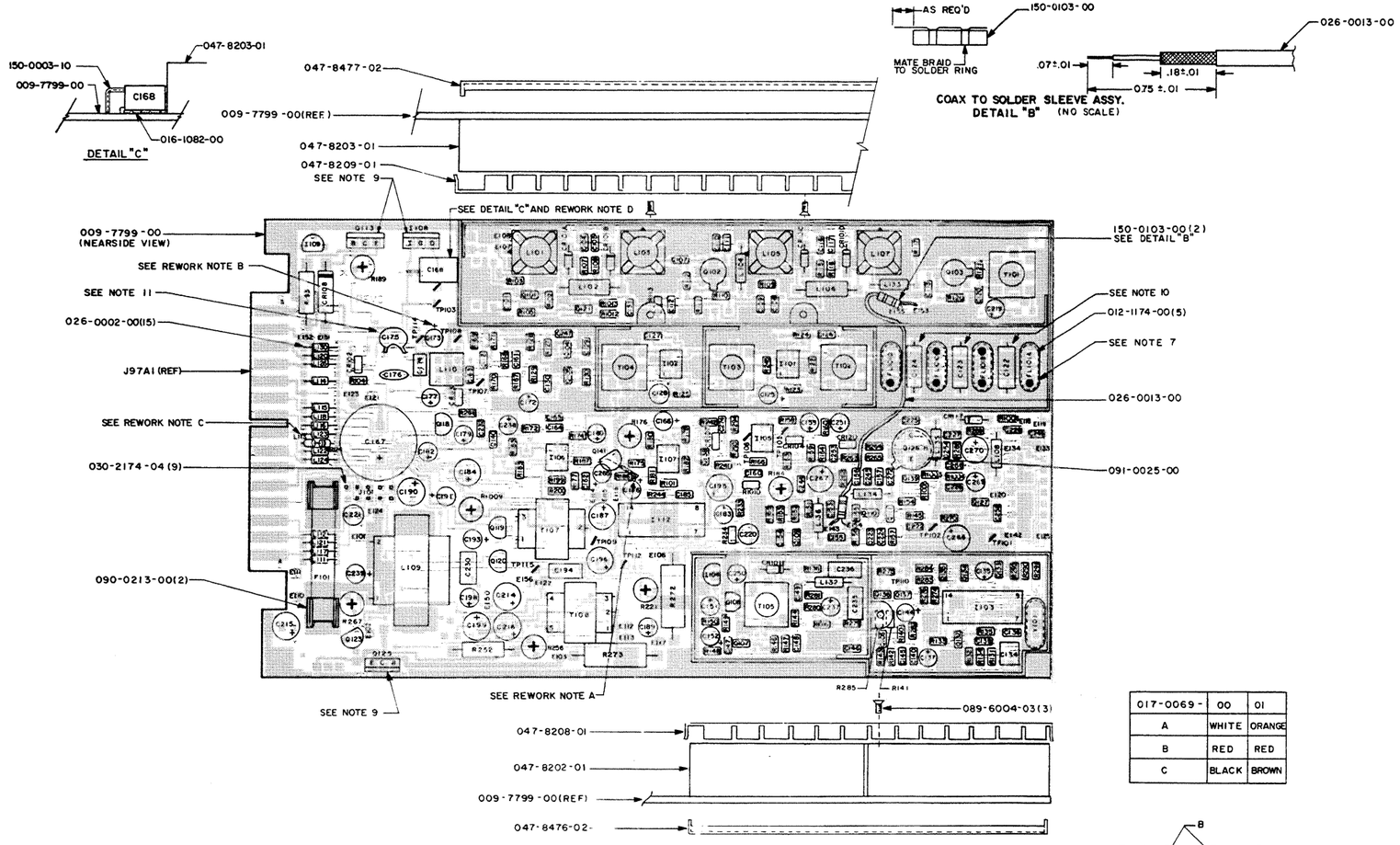
A. INSTALL MAGWIRES AS SHOWN.

B. REMOVE PATH SHORTING R1019.



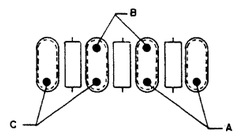
Dwg 300-07799-0001 Rev 17

FIGURE 6-16B KY 96A (28V) Main Board Assembly (Sht 2 of 2)
(Dwg No 300-07799-0001, Rev 17)

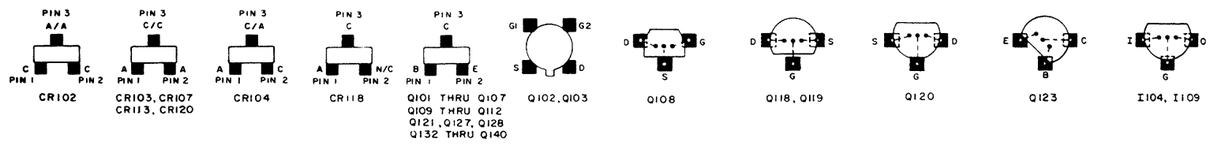


WIRING CHART				
FROM	TO	DESCRIPTION	KPN	LENGTH
E143/E153	E154/E155	COAX RG178	026-0013-00	4.25"

017-0069-	00	01
A	WHITE	ORANGE
B	RED	RED
C	BLACK	BROWN



DETAIL "A"



NOTES:

1. PRIOR TO POST COATING BOTH SIDES OF P.C. BOARD WITH KPN 016-1040-00, MASK OFF THE FOLLOWING; ALL MOUNTING AREAS AND AREAS WHERE THE CASTING COMES IN CONTACT WITH THE BOARD SURFACE, ALL TEST POINTS, ALL "E" NUMBERS, J97A1, ALL POTS, F101, Q113, Q122, Q125, I108, L101, L103, L105, L107, T101, T104, T103, T102, T105, C134, L110, L131.
2.
3. COMPONENT HEIGHT NOT TO EXCEED .800" MAX. UNLESS OTHERWISE NOTED.
4. LEAD PROTRUSION ON FARSIDE OF BOARD NOT TO EXCEED .035".
5. ALL FENCES AND ALL SHIELDS MUST BE FLUSH AGAINST P.C. BOARD AND CONTINUOUSLY SOLDERED TO BOARD.
6. L101, L103, L105, L107, MUST BE INSTALLED WITH TABS IN POSITION SHOWN.
7. FL101A,B,C,D, MUST BE INSTALLED AS A SET WITH COLOR DOTS AS SHOWN IN DETAIL A. IF ONE CRYSTAL OF THE SET IS REPLACED, THEY MUST ALL BE REPLACED.
8. CR101A,B,C,D & E ARE A MATCHED SET OF 5. IF ONE IS REPLACED, THEY MUST ALL BE REPLACED.
9. Q113, Q125, I108 ON NEXT ASSEMBLY.
10. C122, C123, C124 NOT ON 200-7799-03.
11. C175 SHOULD LAY FLAT ON BOARD TO AVOID INTERFERENCE WITH AUDIO AMP BOARD 200-7797-00.

REWORK NOTES:

A. ADD EYELET 092-5015-06 AT THE + SYMBOL FOR C186. WRAP THE BASE LEAD OF Q141 AROUND THE LEAD OF R1020 THAT COMES THROUGH FARSIDE. ENCLOSE THE BASE LEAD OF Q141 WITH 150-0003-10.

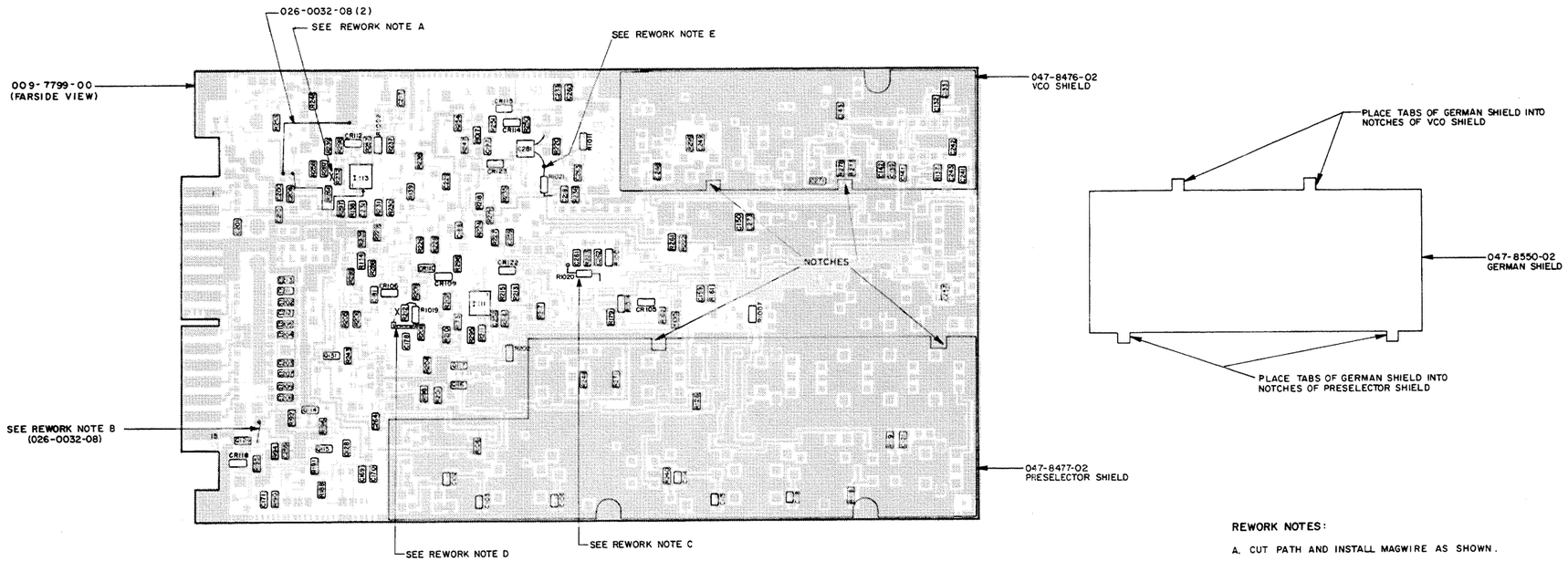
B. REMOVE THE + SYMBOL FOR C173 AND REINSTALL C173.

C. ADD CR124 CATHODE IS CONNECTED WITH L113.

D. REINSTALL C168 PER DETAIL C TO AVOID INTERFERENCE WITH AUDIO BOARD.

Dwg 300-07799-0001 Rev 7

FIGURE 6-16C KY 96A (28V) Main Board Assembly (Sht 1 of 2)
(Dwg No 300-07799-0001, Rev 7)



REWORK NOTES:

A. CUT PATH AND INSTALL MAGWIRE AS SHOWN.

B. INSTALL MAGWIRE AS SHOWN.

C. ADD R1020 AS SHOWN.

D. CUT PATH AND ADD R1019 AS SHOWN WITH SLEEVING 150-0003-10.

E. ADD EYELET 092-5015-00 AND R1021, C281 AS SHOWN.

Dwg 300-07799-0001 Rev 7

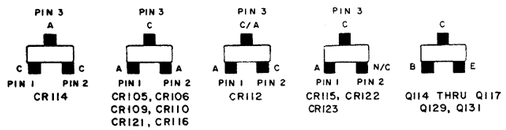
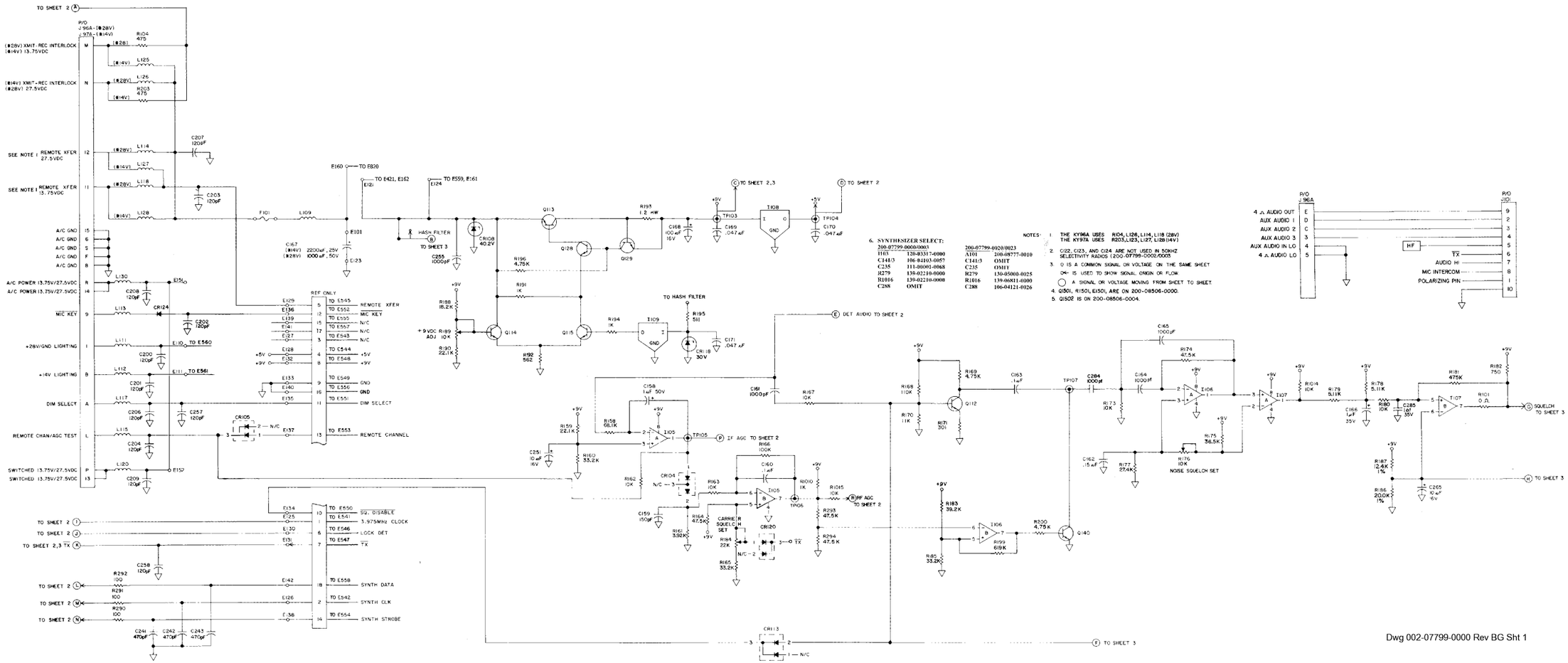


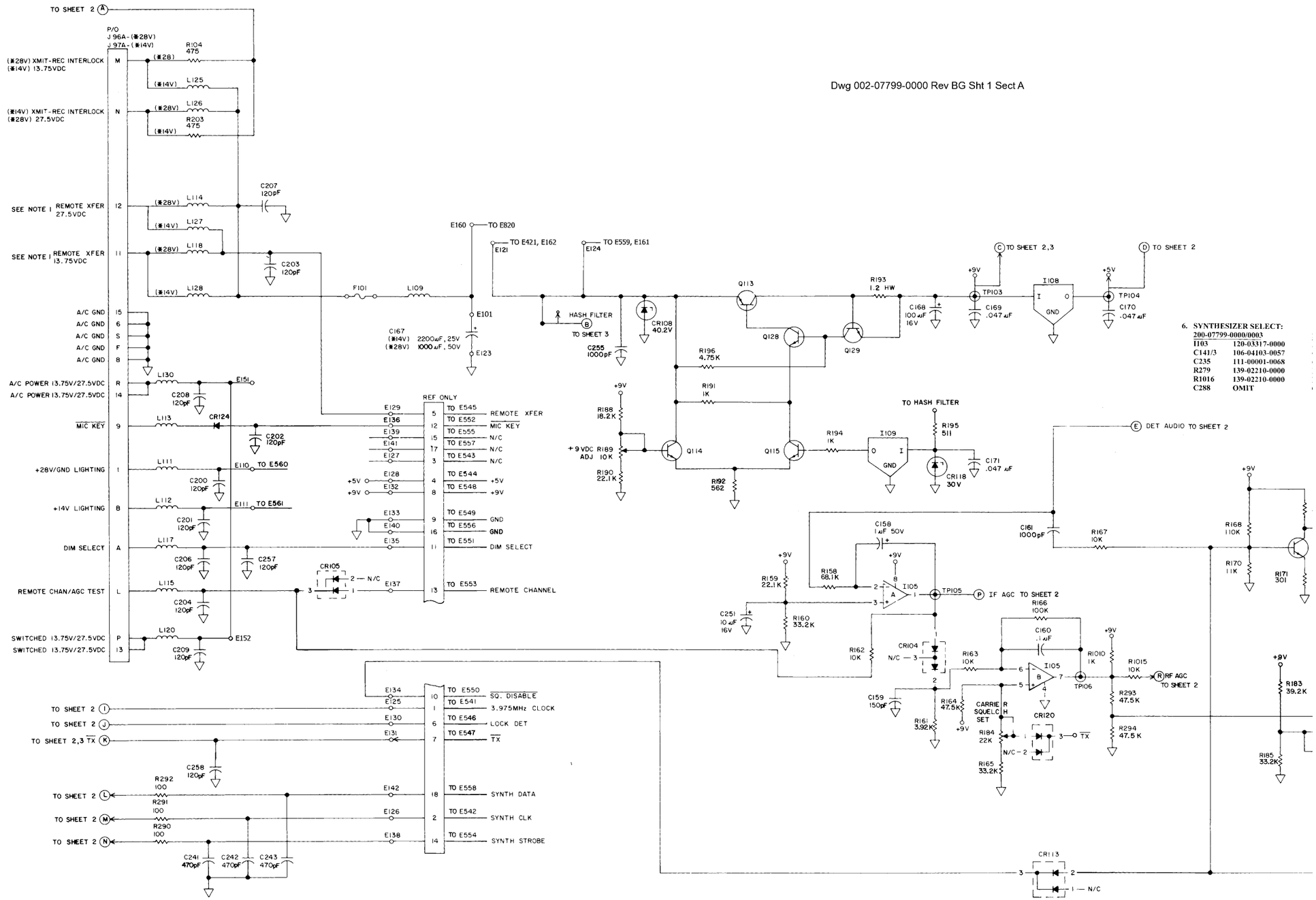
FIGURE 6-16C KY 96A (28V) Main Board Assembly (Sht 2 of 2)
(Dwg No 300-07799-0001, Rev 7)



Dwg 002-07799-0000 Rev BG Sht 1

FIGURE 6-17 KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 1 of 9)
(Dwg No 002-07799-0000, Rev BG, Sht 1)

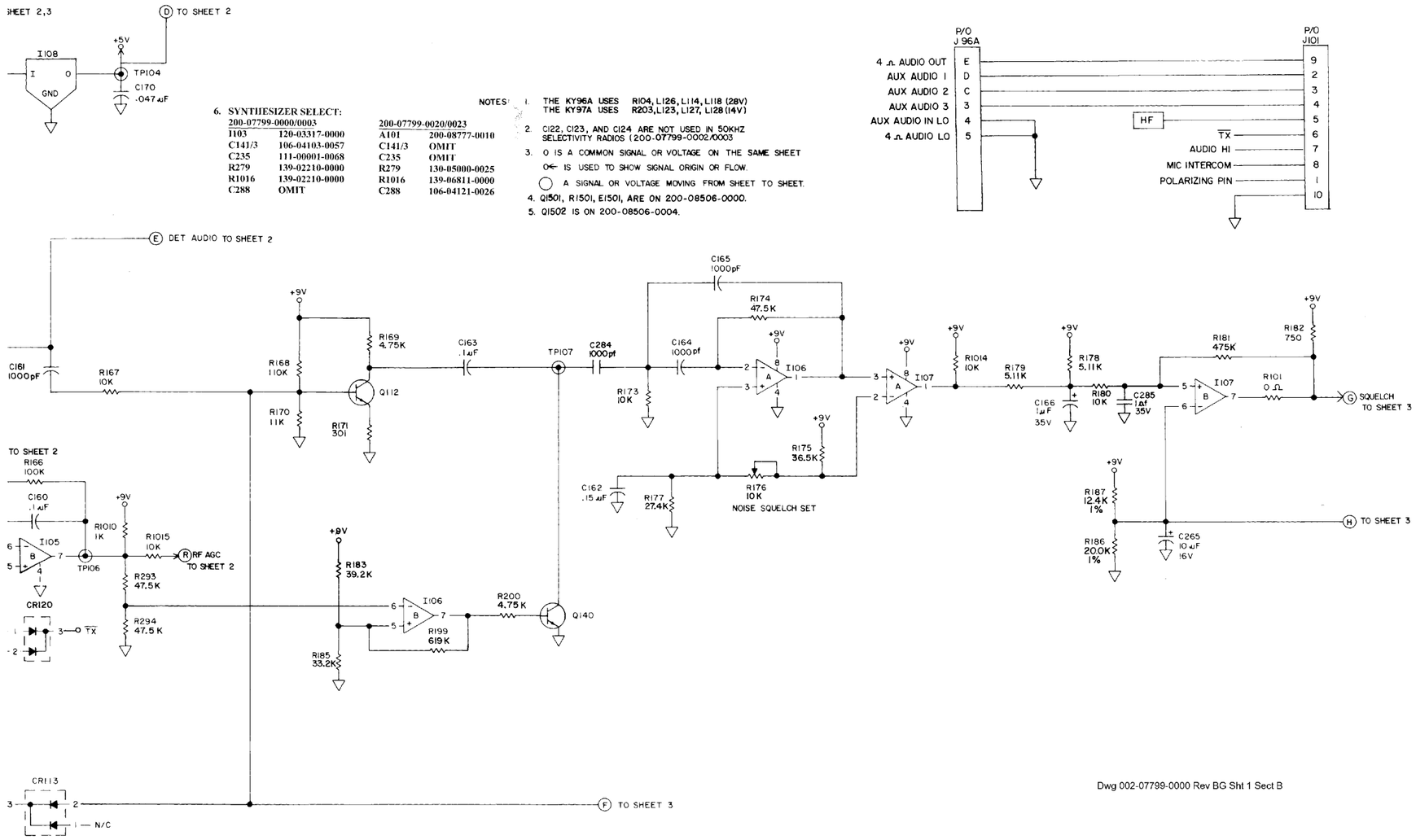
Dwg 002-07799-0000 Rev BG Sht 1 Sect A



6. SYNTHESIZER SELECT:

200-07799-0000/0003	
I103	120-03317-0000
C141/3	106-04103-0057
C235	111-00001-0068
R279	139-02210-0000
R1016	139-02210-0000
C288	OMIT

FIGURE 6-17 KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 2 of 9) (Dwg No 002-07799-0000, Rev BG, Sht 1, Sect A)



Dwg 002-07799-0000 Rev BG Sht 1 Sect B

FIGURE 6-17 KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 3 of 9)
(Dwg No 002-07799-0000, Rev BG, Sht 1, Sect B)

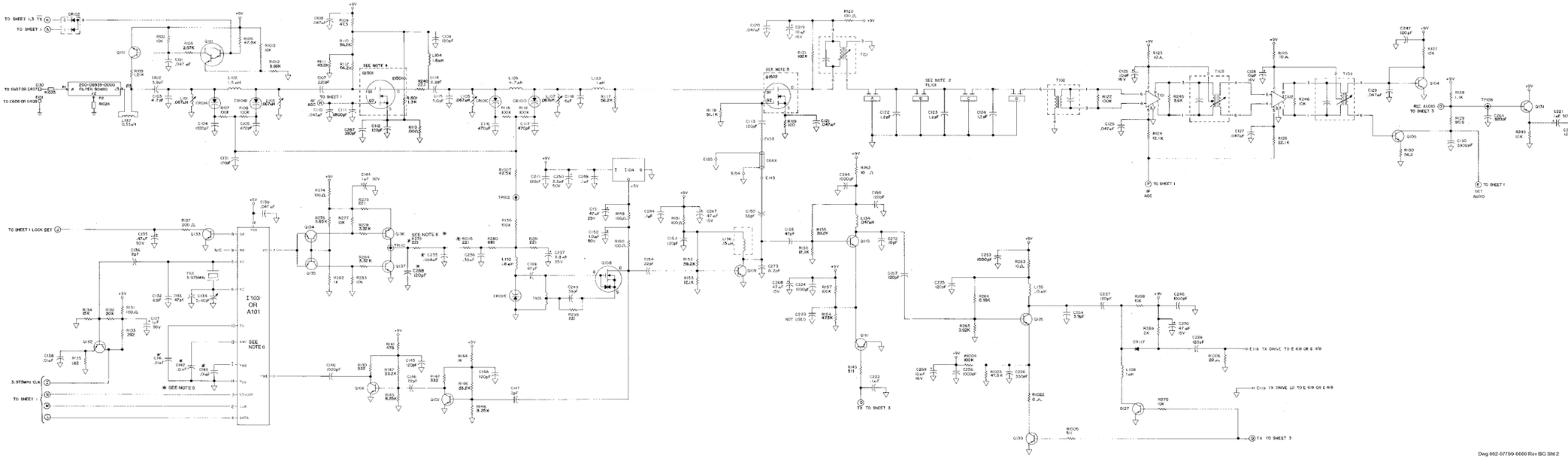
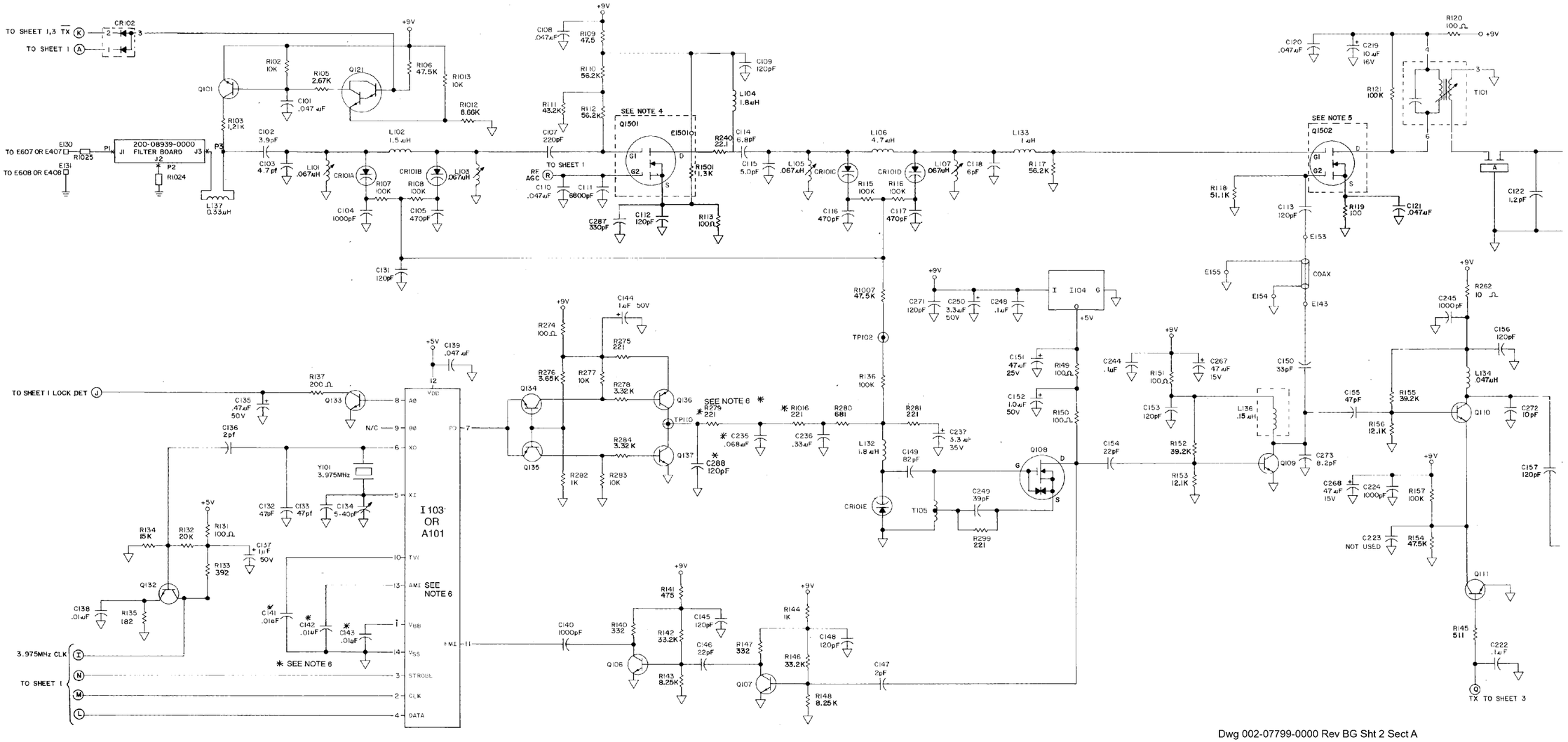
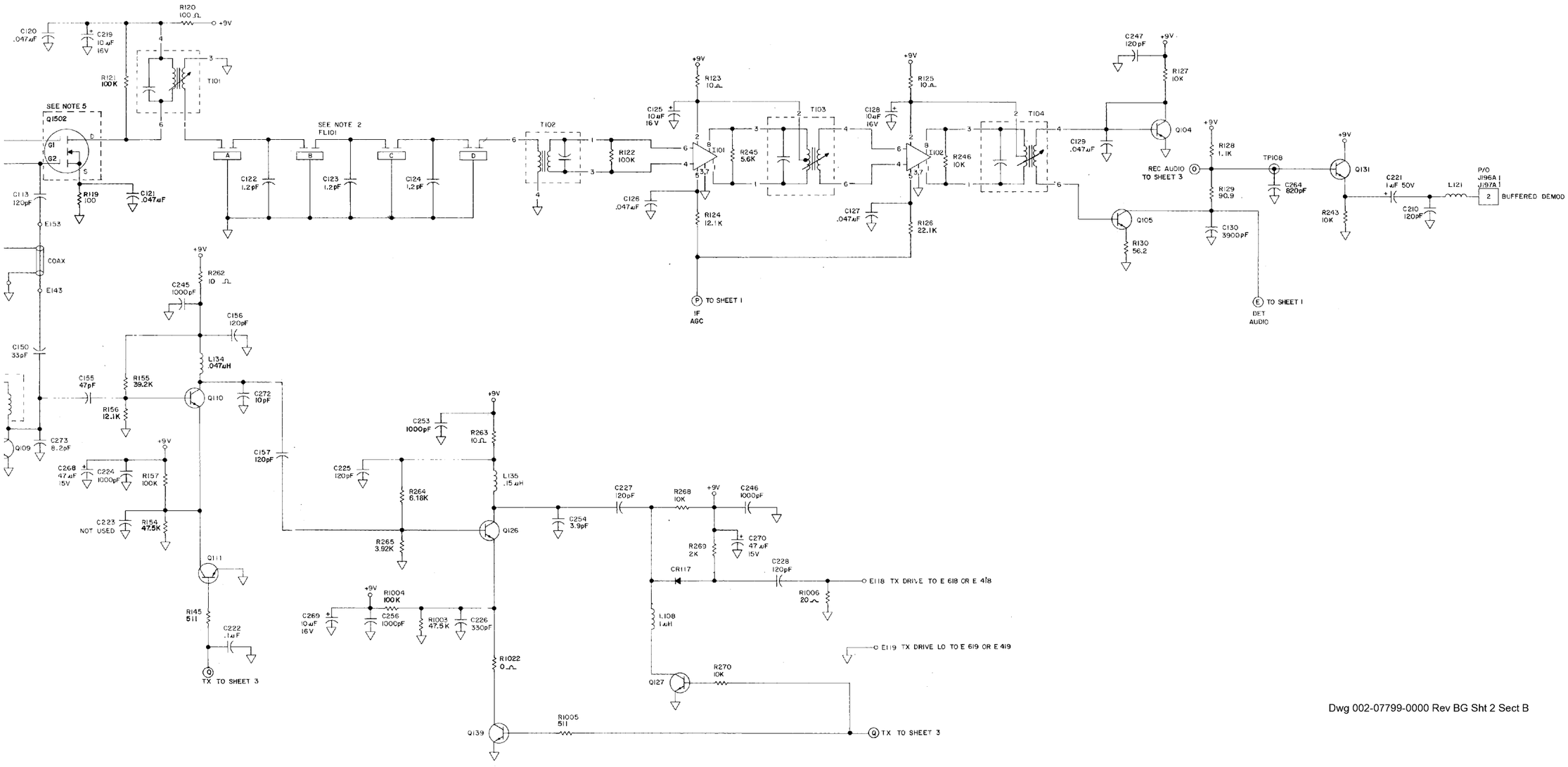


FIGURE 6-17 KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 4 of 9)
(Dwg No 002-07799-0000, Rev BG, Sht 2)



Dwg 002-07799-0000 Rev BG Sht 2 Sect A

FIGURE 6-17 KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 5 of 9)
(Dwg No 002-07799-0000, Rev BG, Sht 2, Sect A)



Dwg 002-07799-0000 Rev BG Sht 2 Sect B

FIGURE 6-17 KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 6 of 9)
(Dwg No 002-07799-0000, Rev BG, Sht 2, Sect B)

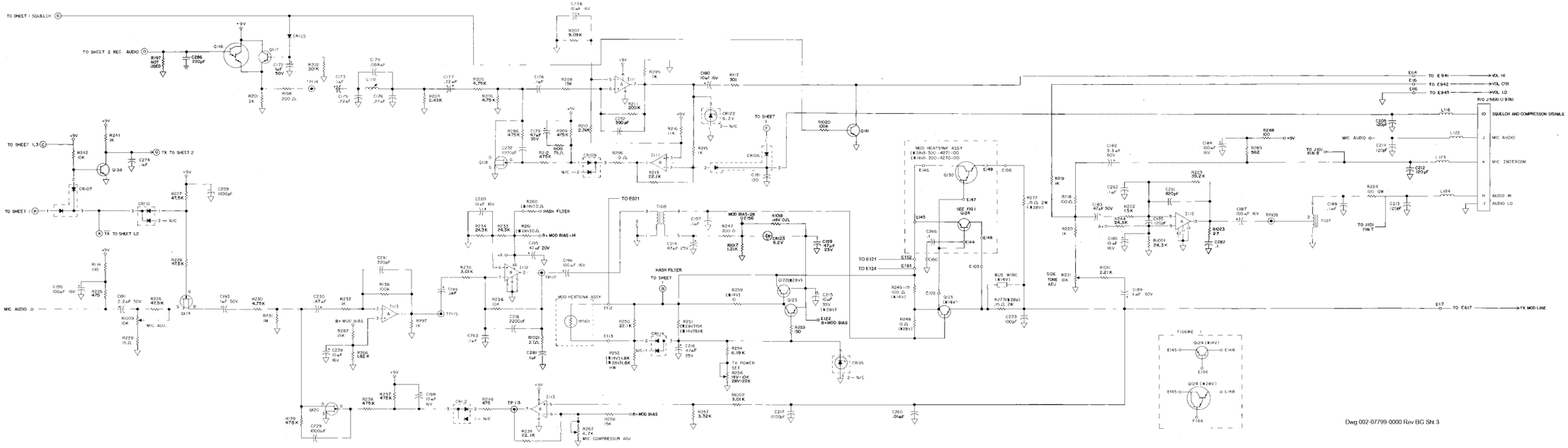
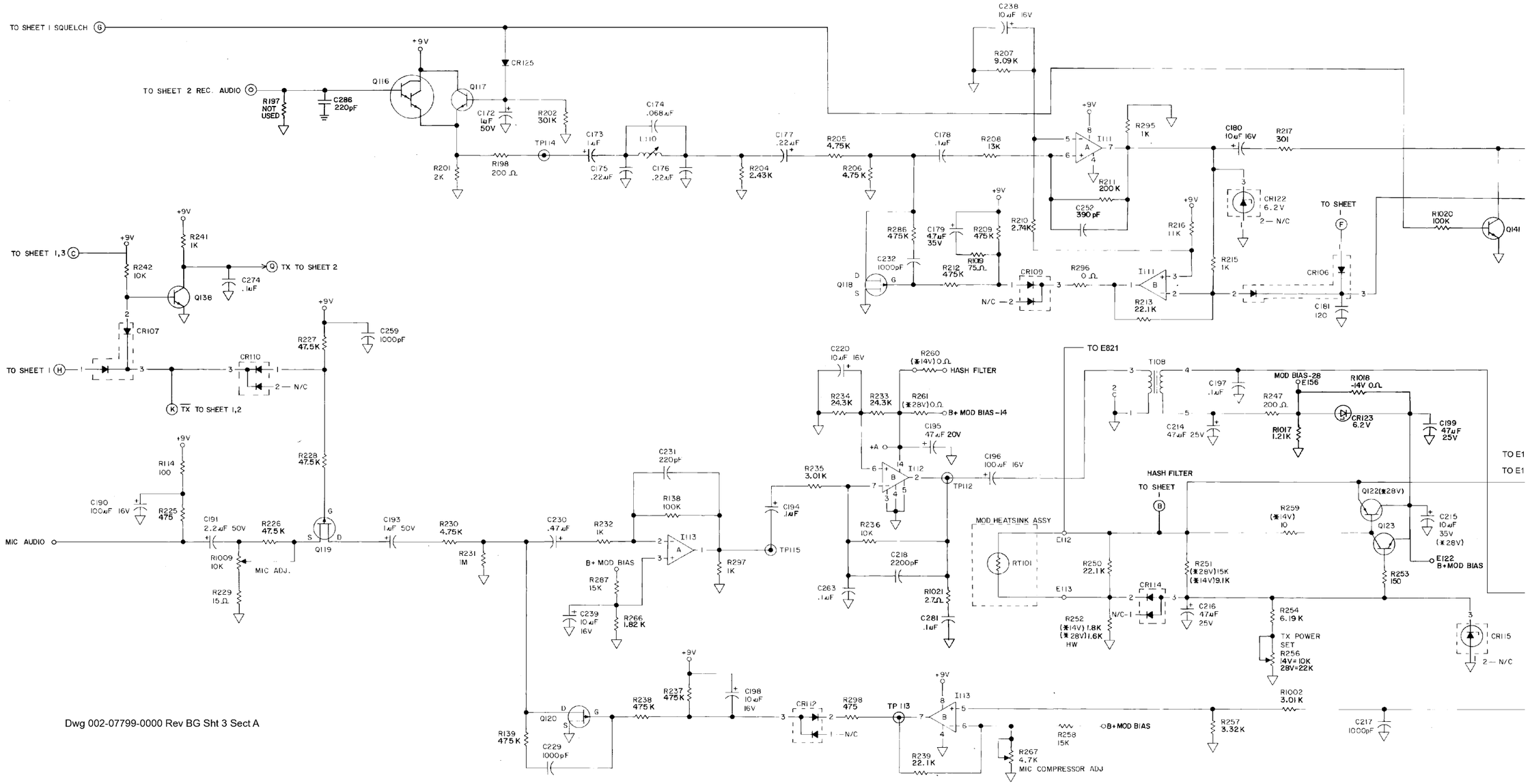
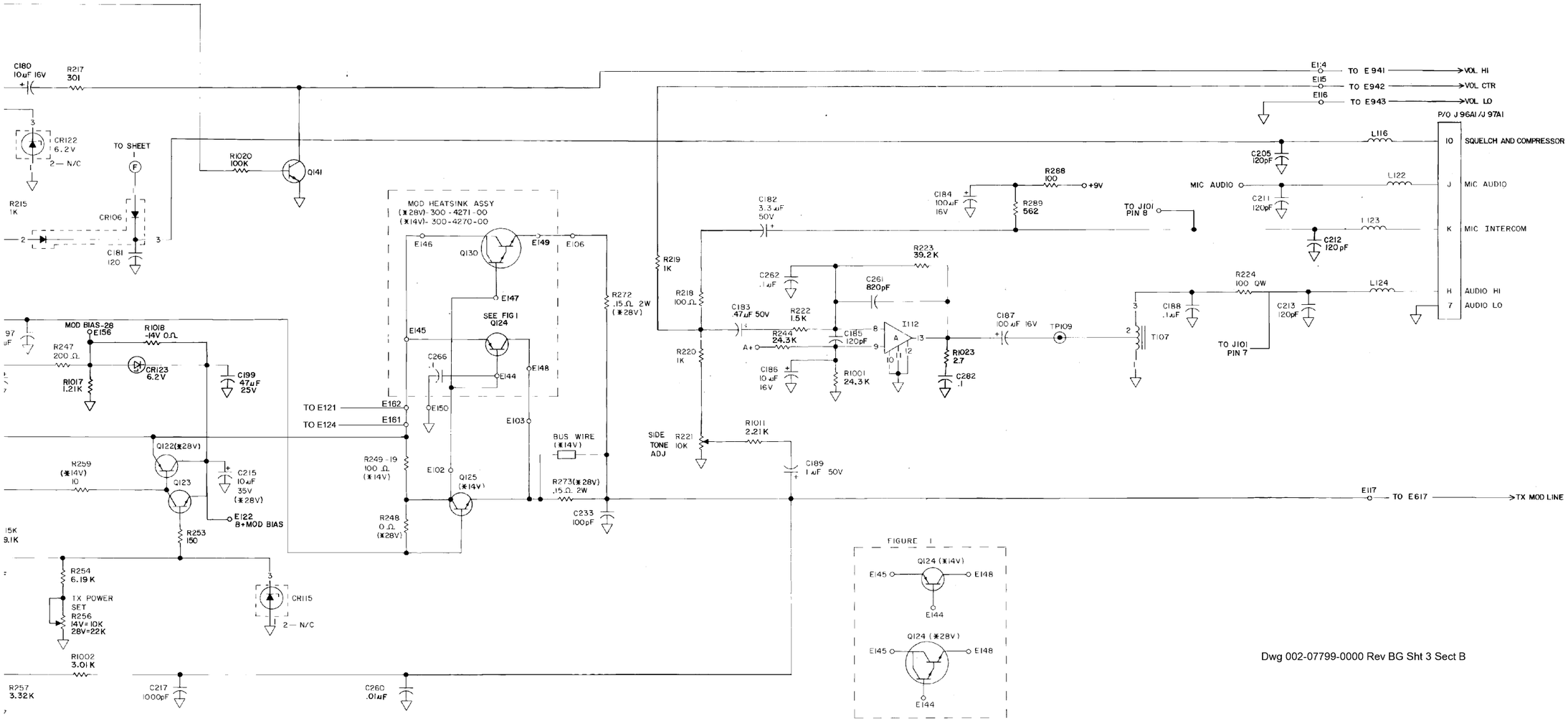


FIGURE 6-17 KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 7 of 9)
(Dwg No 002-07799-0000, Rev BG, Sht 3)



Dwg 002-07799-0000 Rev BG Sht 3 Sect A

FIGURE 6-17 KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 8 of 9)
(Dwg No 002-07799-0000, Rev BG, Sht 3, Sect A)



Dwg 002-07799-0000 Rev BG Sht 3 Sect B

FIGURE 6-17 KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 9 of 9)
(Dwg No 002-07799-0000, Rev BG, Sht 3, Sect B)

Dwg 002-07799-0000 Rev 22 Sht 1 Sect A

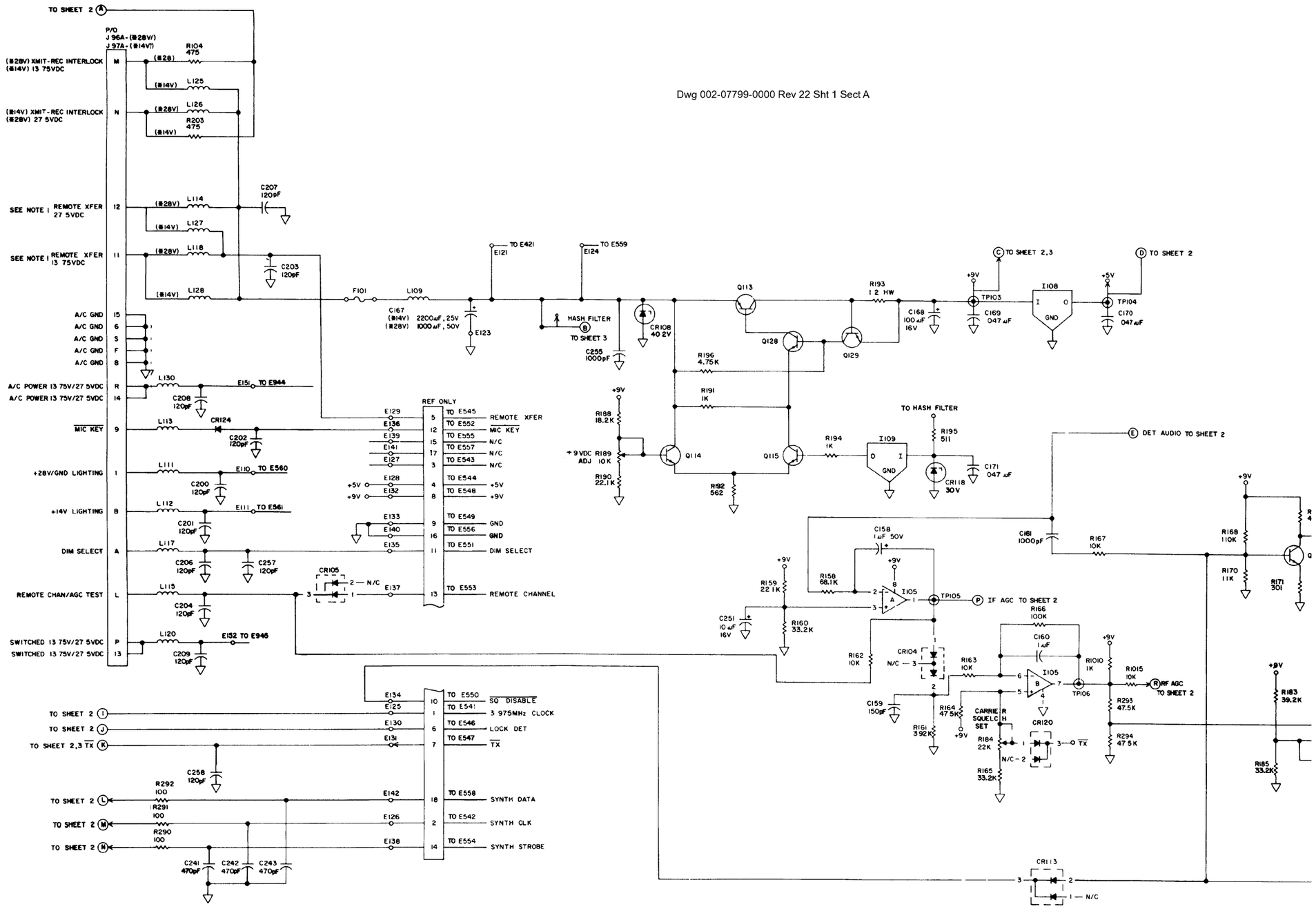
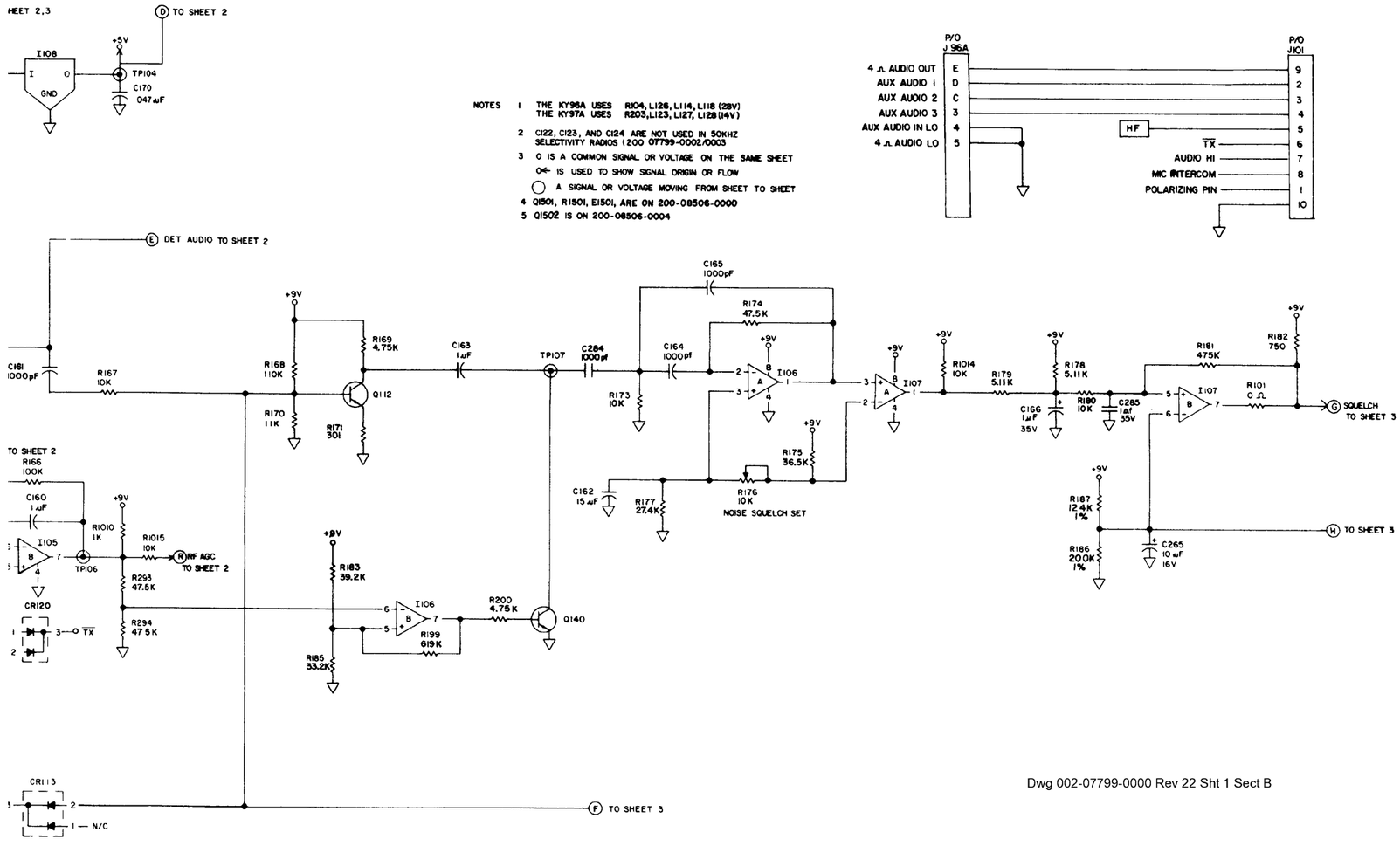


FIGURE 6-17A KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 1 of 6)
(Dwg No 002-07799-0000, Rev 22, Sht 1, Sect A)



Dwg 002-07799-0000 Rev 22 Sht 1 Sect B

FIGURE 6-17A KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 2 of 6)
(Dwg No 002-07799-0000, Rev 22, Sht 1, Sect B)

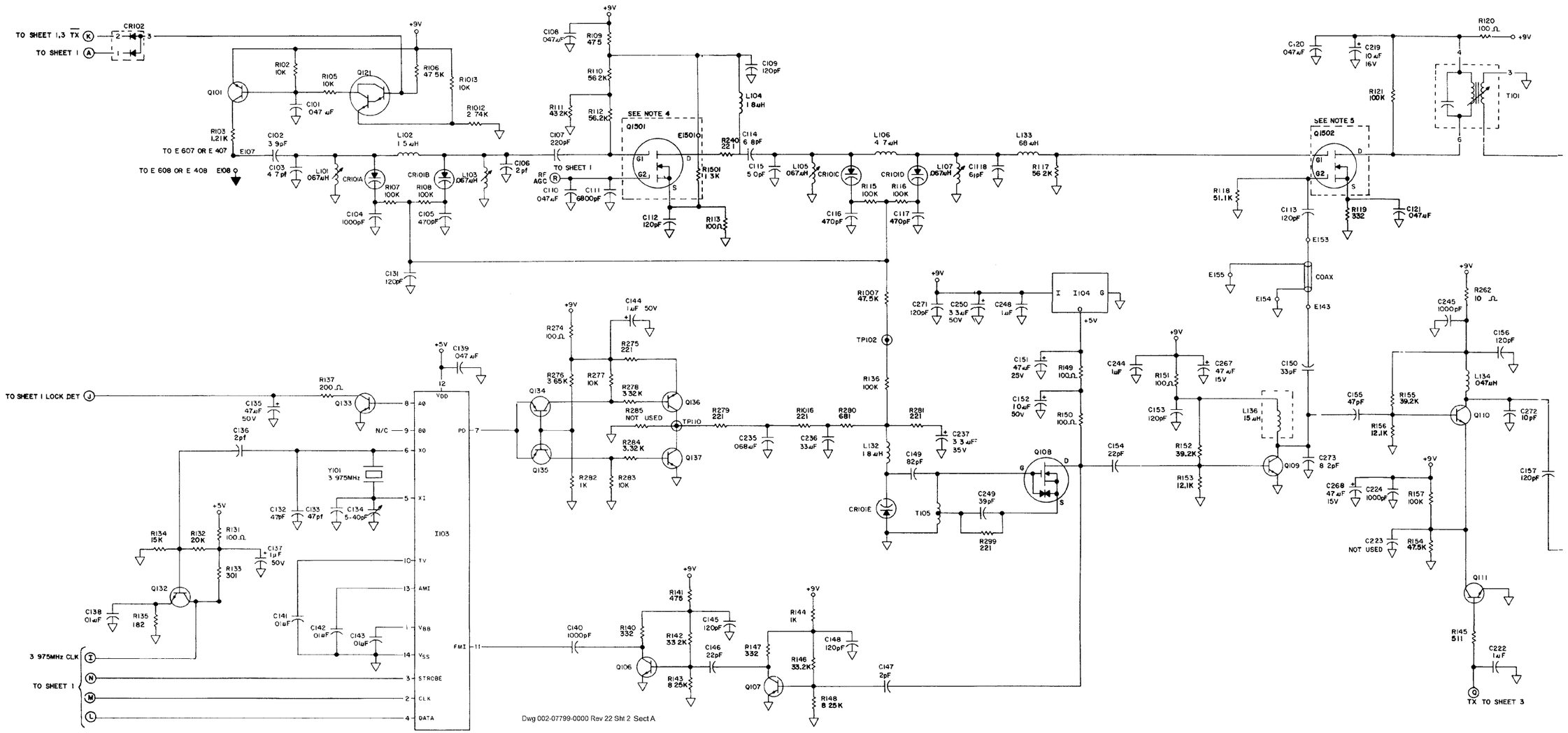
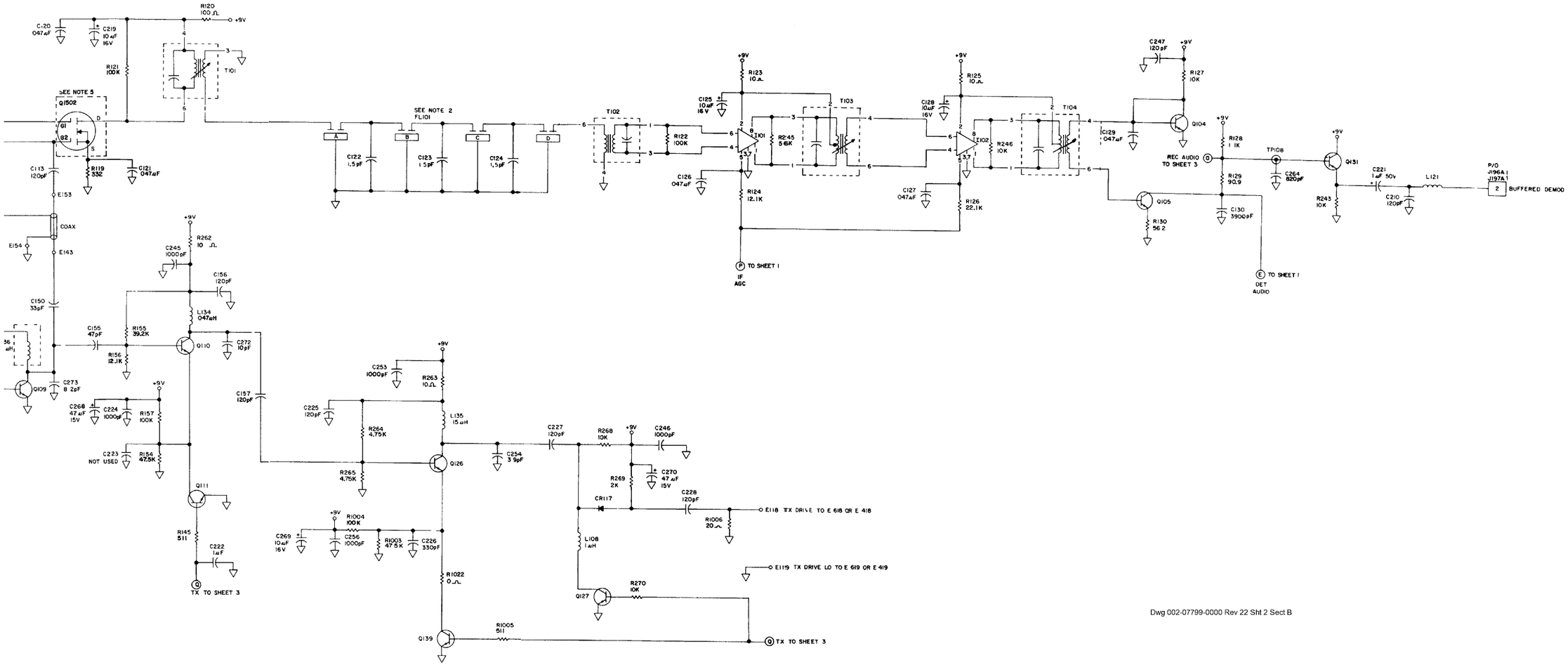


FIGURE 6-17A KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 3 of 6)
(Dwg No 002-07799-0000, Rev 22, Sht 2, Sect A)



Dwg 002-07799-0000 Rev 22 Sht 2 Sect B

FIGURE 6-17A KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 4 of 6)
(Dwg No 002-07799-0000, Rev 22, Sht 2, Sect B)

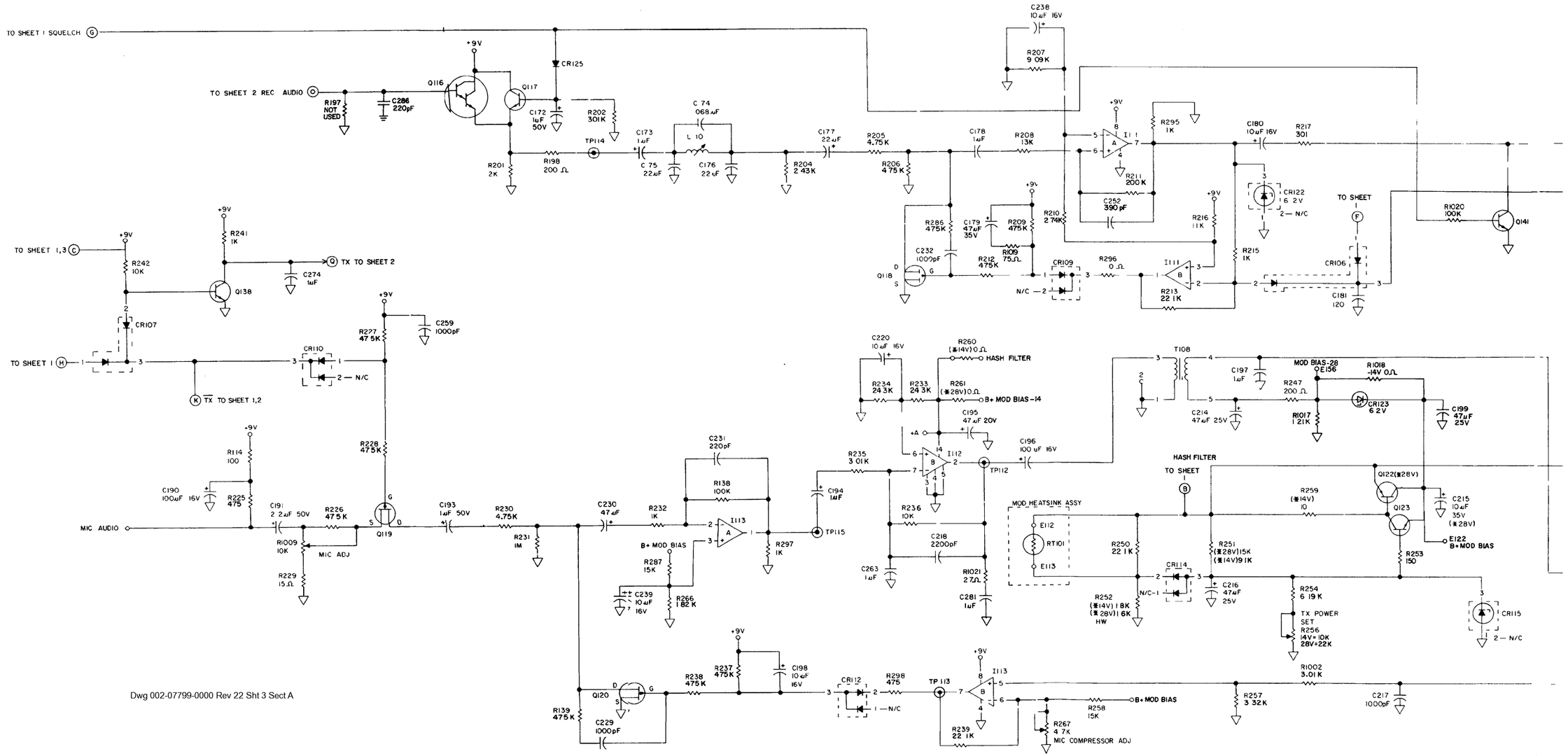
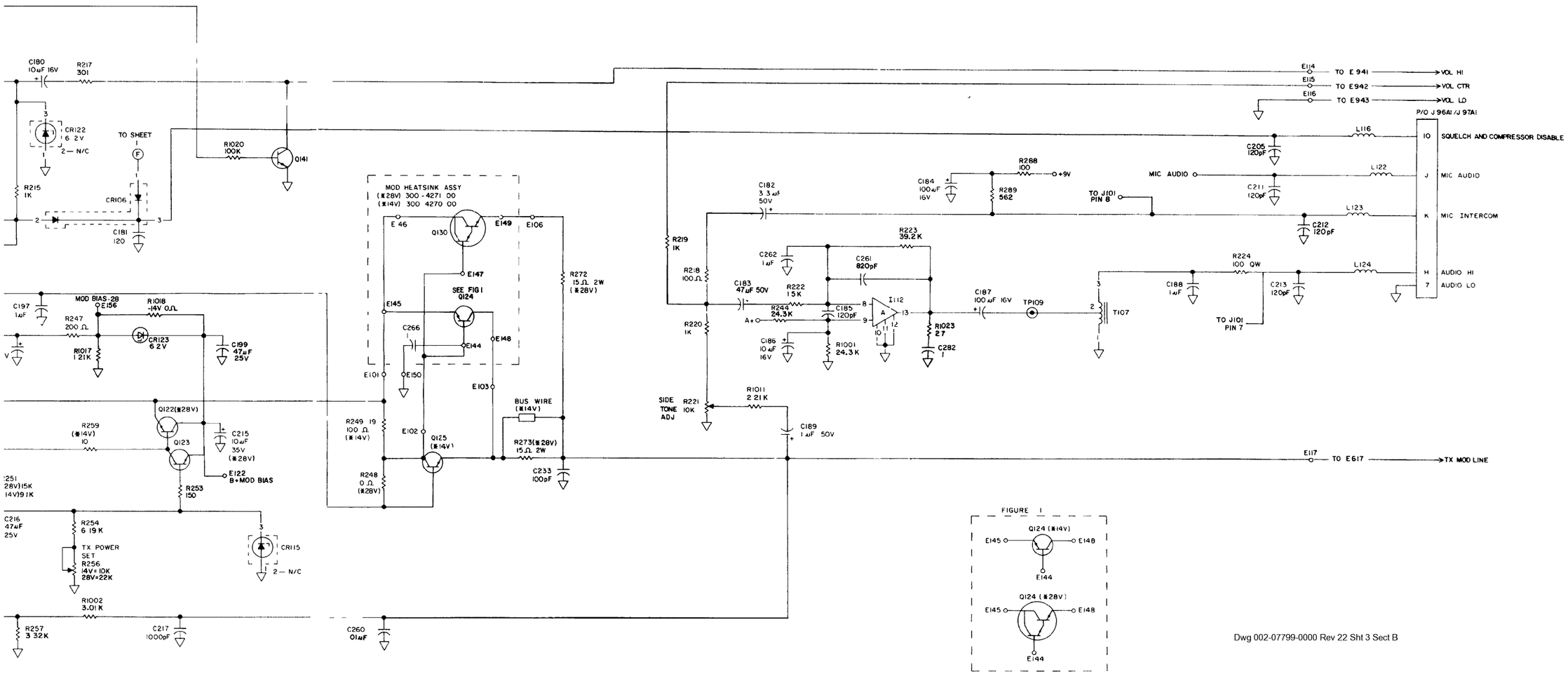


FIGURE 6-17A KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 5 of 6)
(Dwg No 002-07799-0000, Rev 22, Sht 3, Sect A)



Dwg 002-07799-0000 Rev 22 Sht 3 Sect B

FIGURE 6-17A KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 6 of 6)
(Dwg No 002-07799-0000, Rev 22, Sht 3, Sect B)

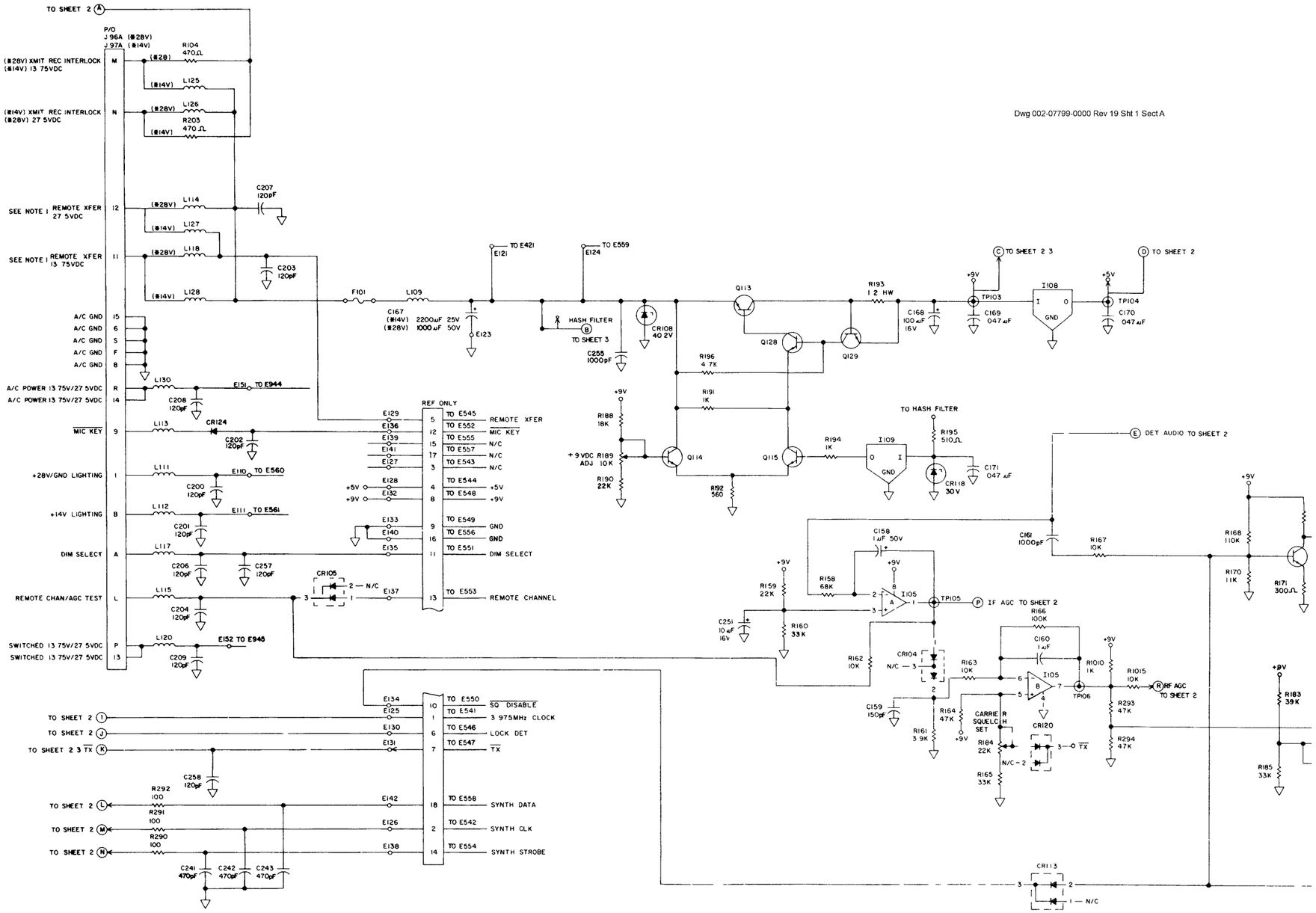
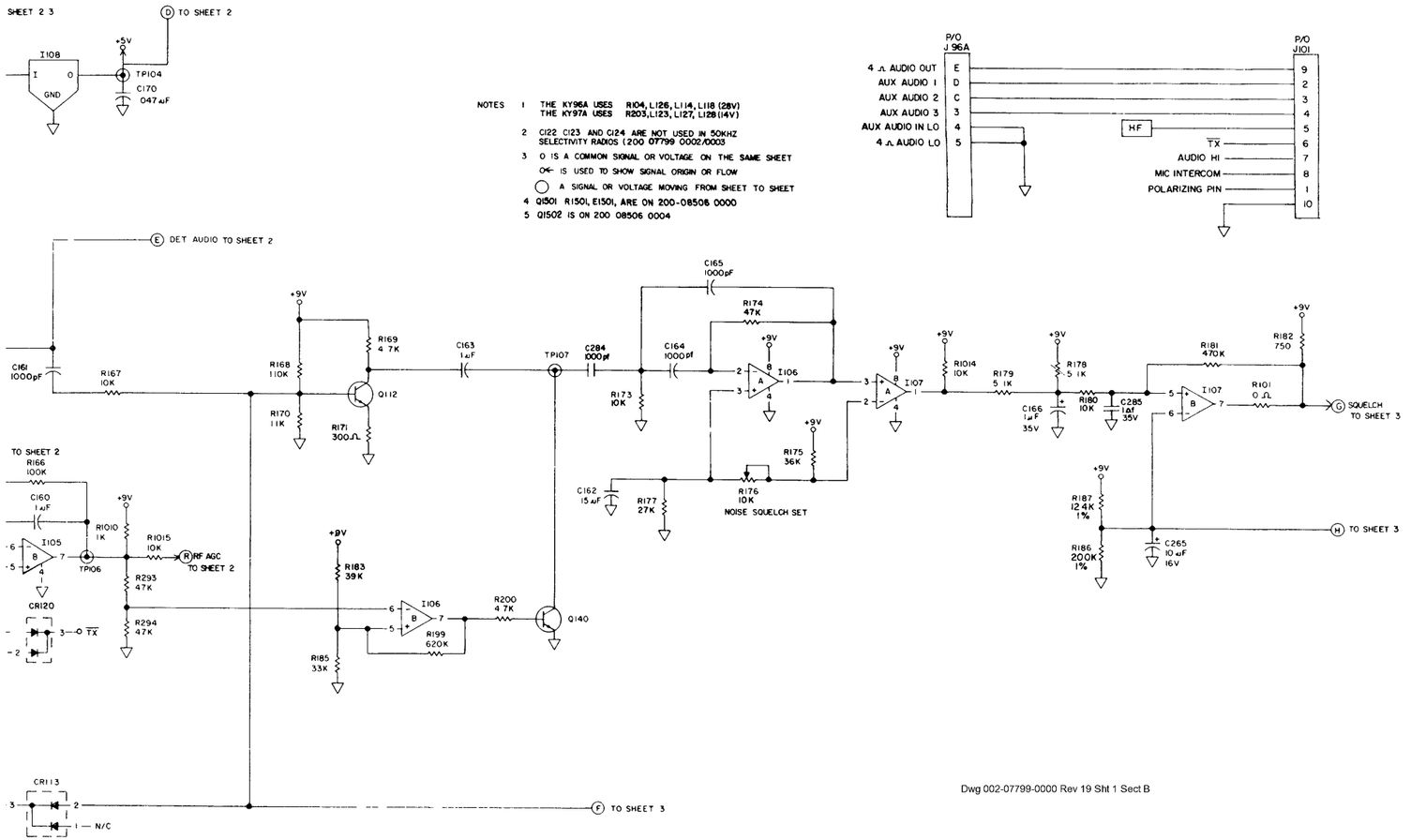
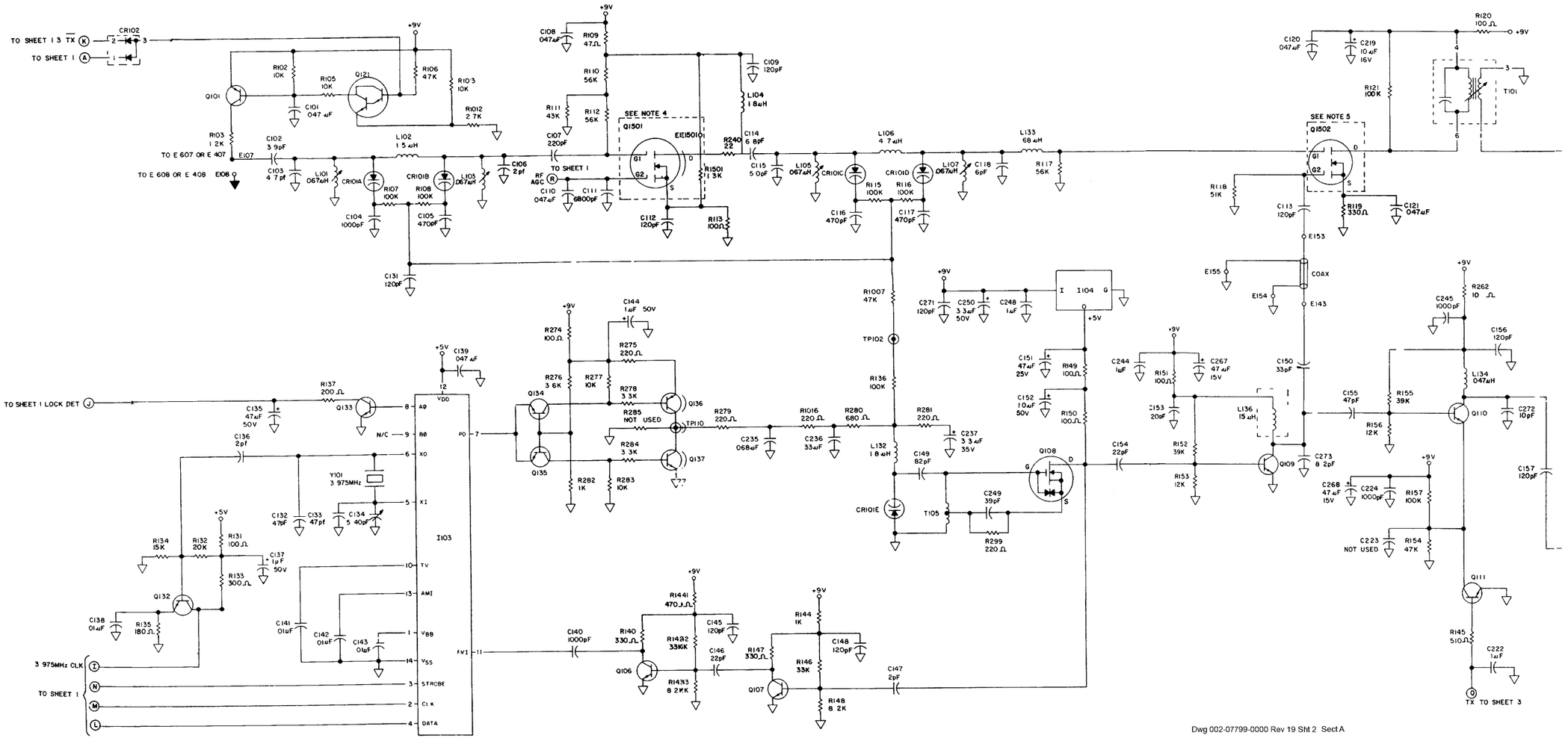


FIGURE 6-17B KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 1 of 6)
(Dwg No 002-07799-0000, Rev 19, Sht 1, Sect A)



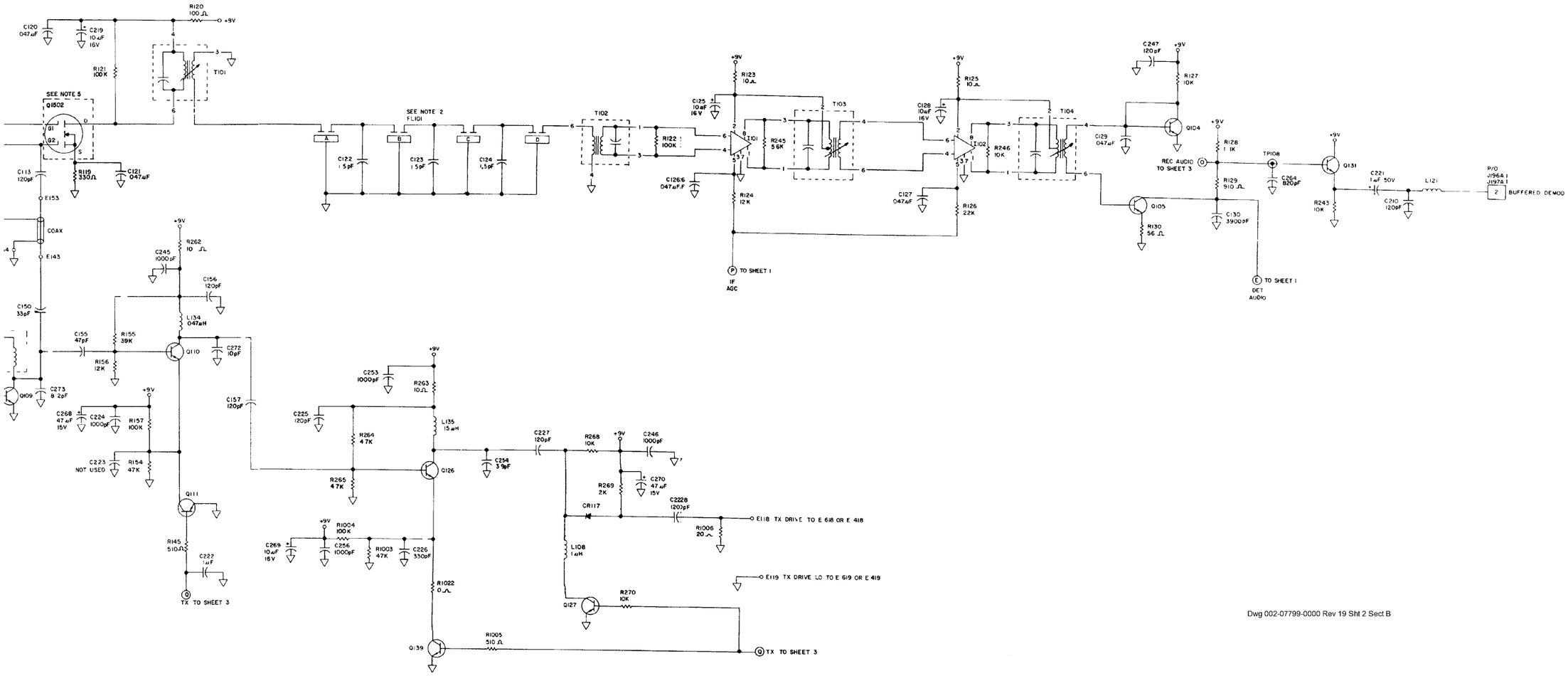
Dwg 002-07799-0000 Rev 19 Sht 1 Sect B

FIGURE 6-17B KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 2 of 6)
(Dwg No 002-07799-0000, Rev 19, Sht 1, Sect B)



Dwg 002-07799-0000 Rev 19 Sht 2 Sect A

FIGURE 6-17B KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 3 of 6)
(Dwg No 002-07799-0000, Rev 19, Sht 2, Sect A)



Dwg 002-07799-0000 Rev 19 Sht 2 Sect B

FIGURE 6-17B KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 4 of 6)
(Dwg No 002-07799-0000, Rev 19, Sht 2, Sect B)

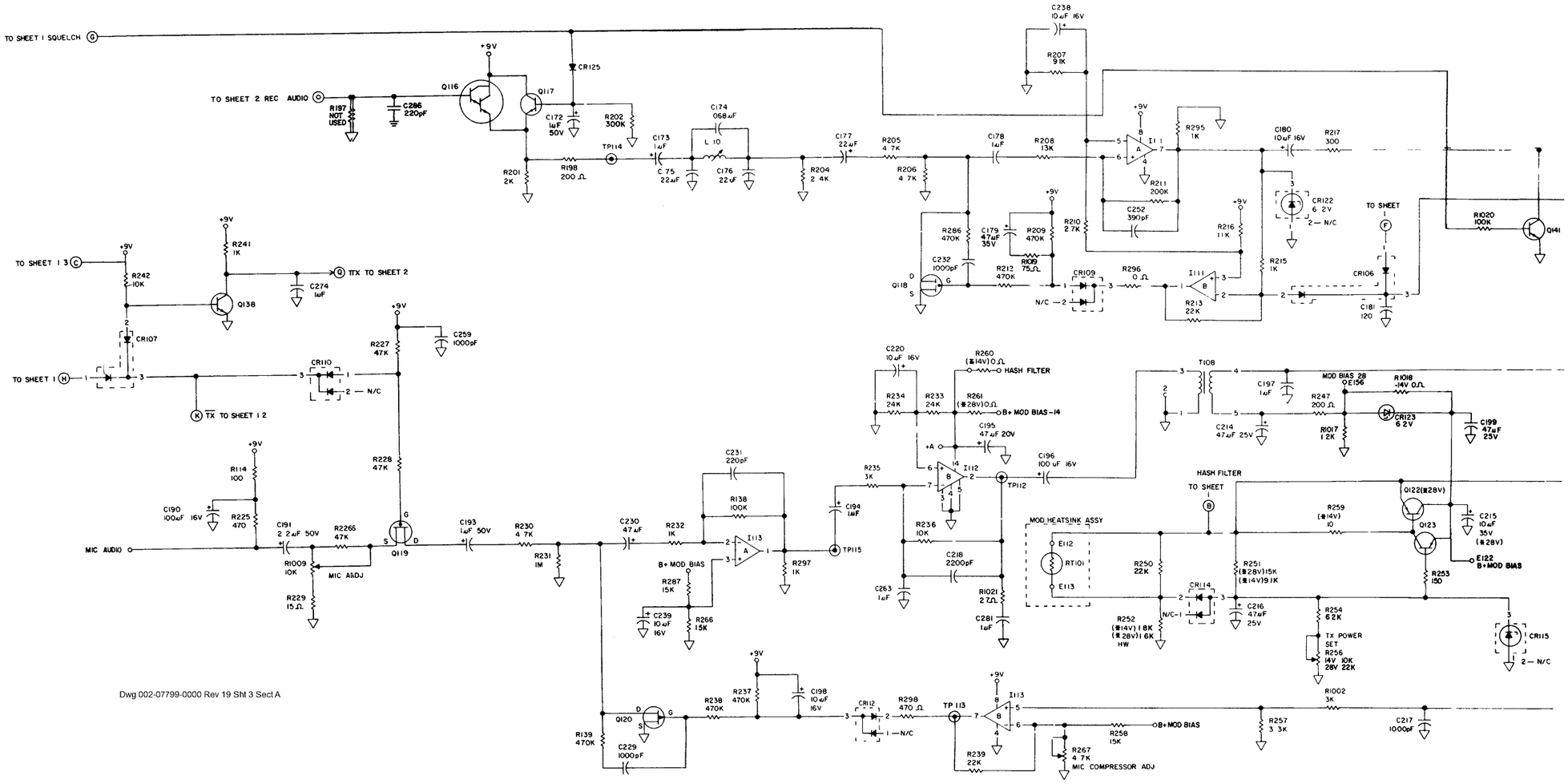
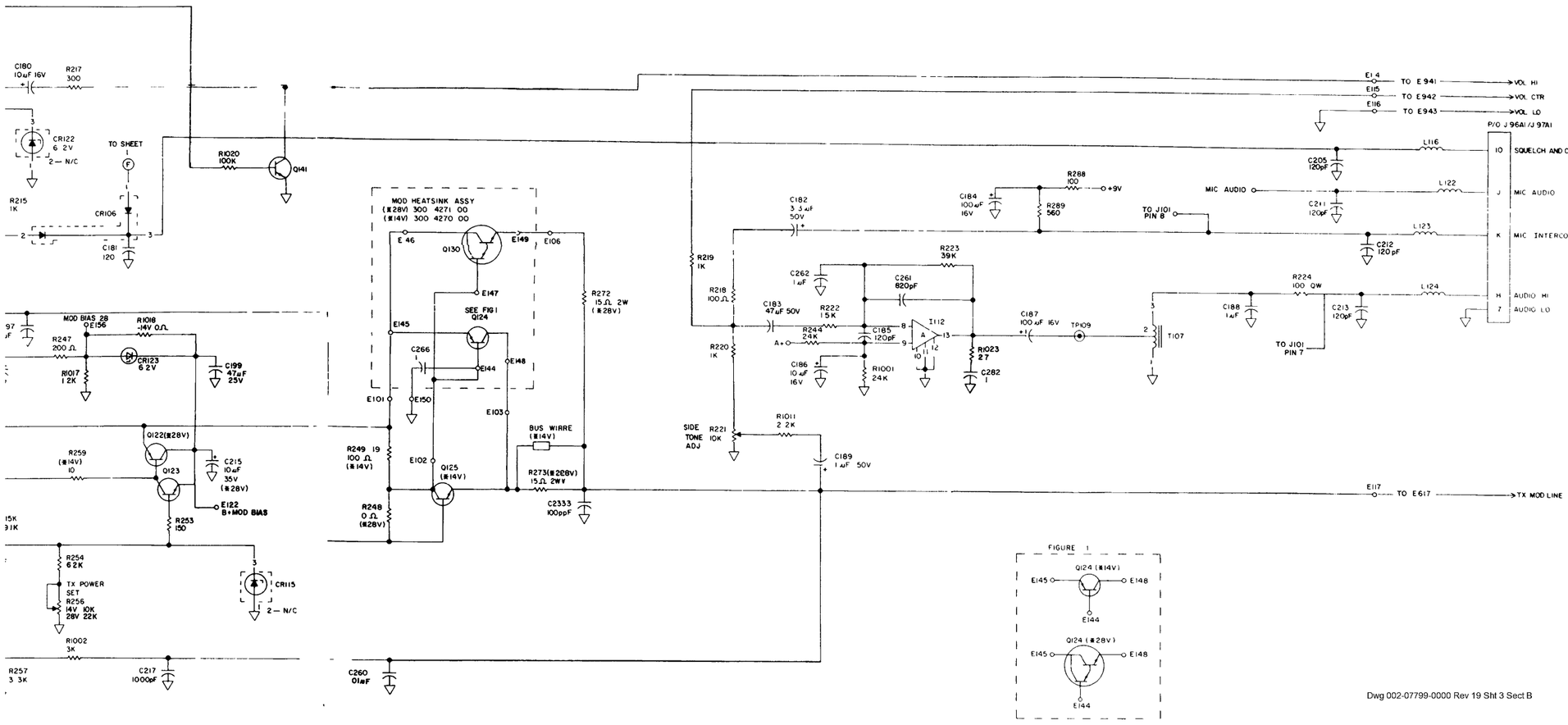


FIGURE 6-17B KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 5 of 6)
(Dwg No 002-07799-0000, Rev 19, Sht 3, Sect A)



Dwg 002-07799-0000 Rev 19 Sht 3 Sect B

FIGURE 6-17B KY 96A, KY 97A (28V_14V) Main Board Schematic (Sht 6 of 6)
(Dwg No 002-07799-0000, Rev 19, Sht 3, Sect B)

APPENDIX S
SOFTWARE/ HARDWARE CONFIGURATION

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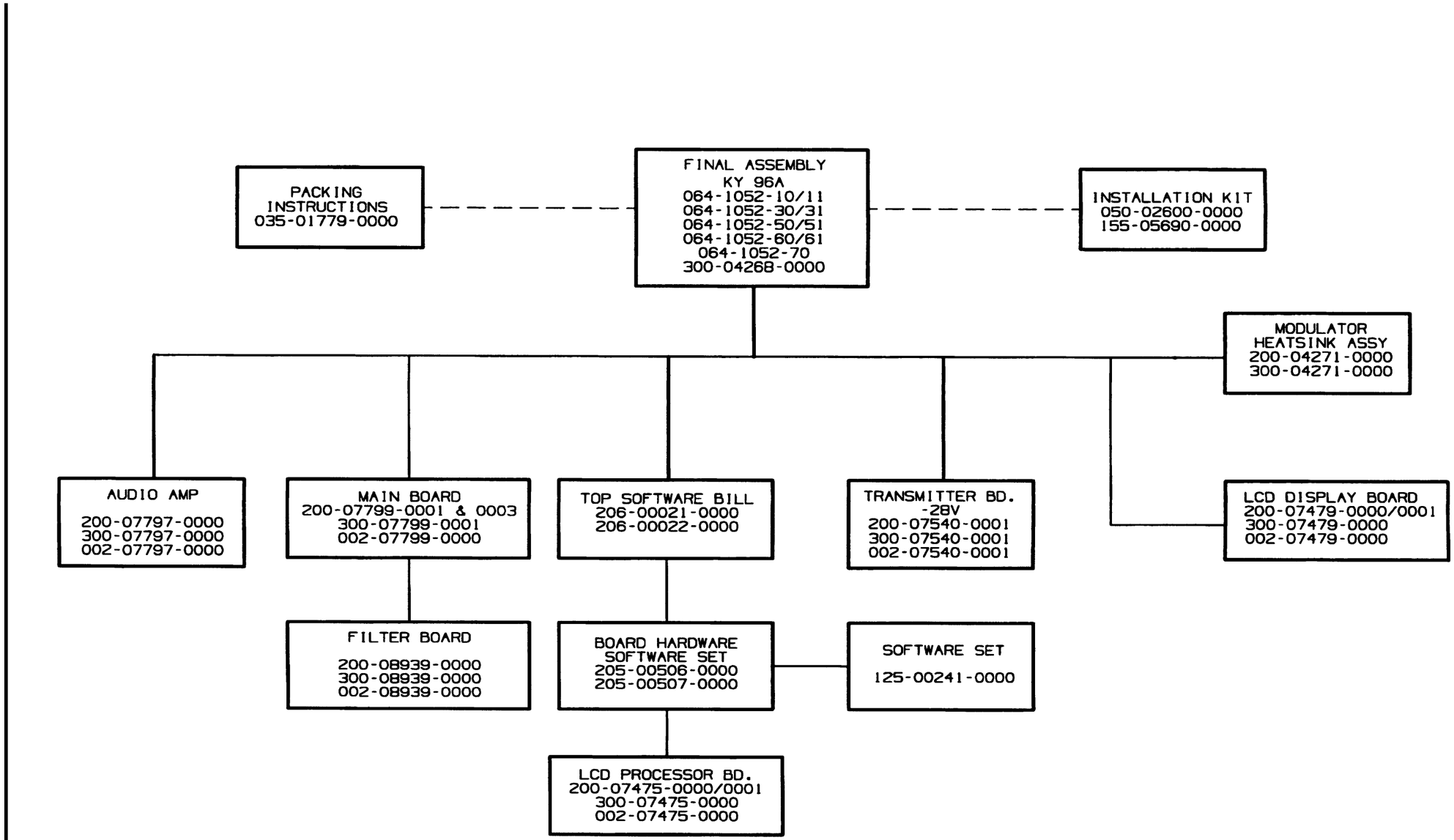

FIGURE S-1 KY 96A Software/ Hardware Configuration (Sht 1 of 3)

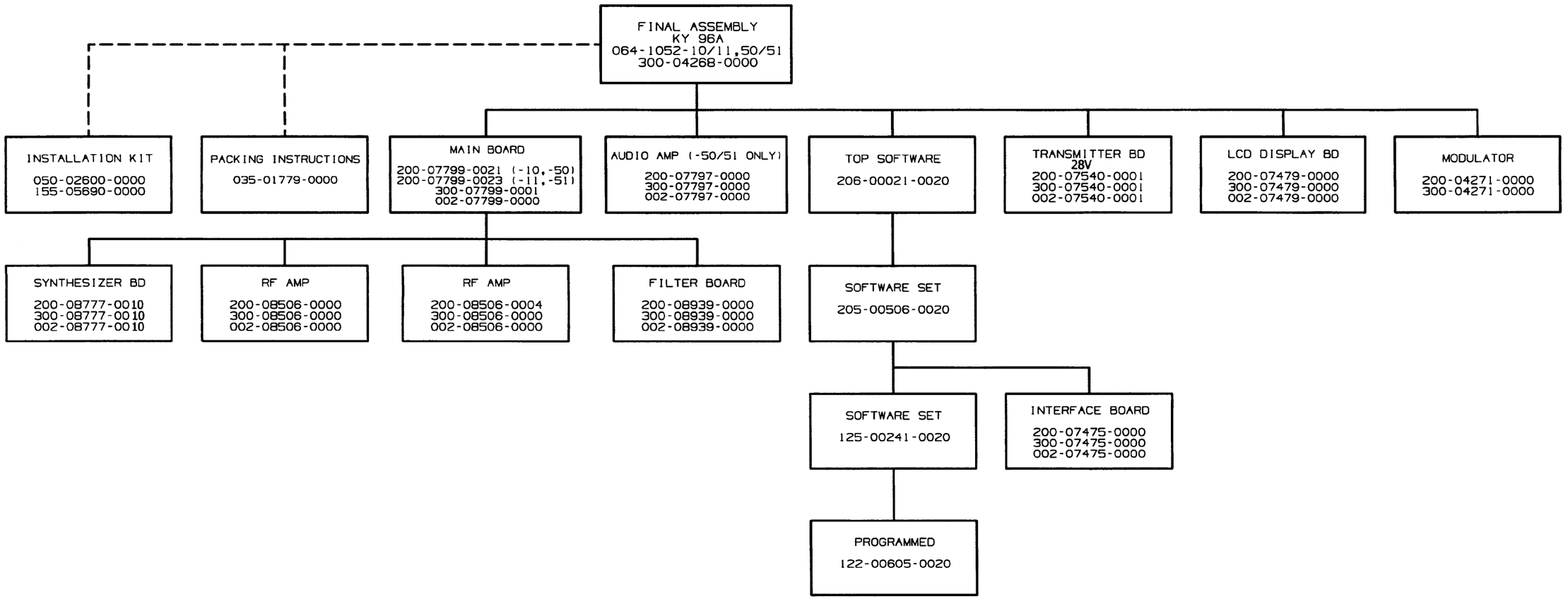

FIGURE S-1 KY 96A Software/ Hardware Configuration (Sht 2 of 3)

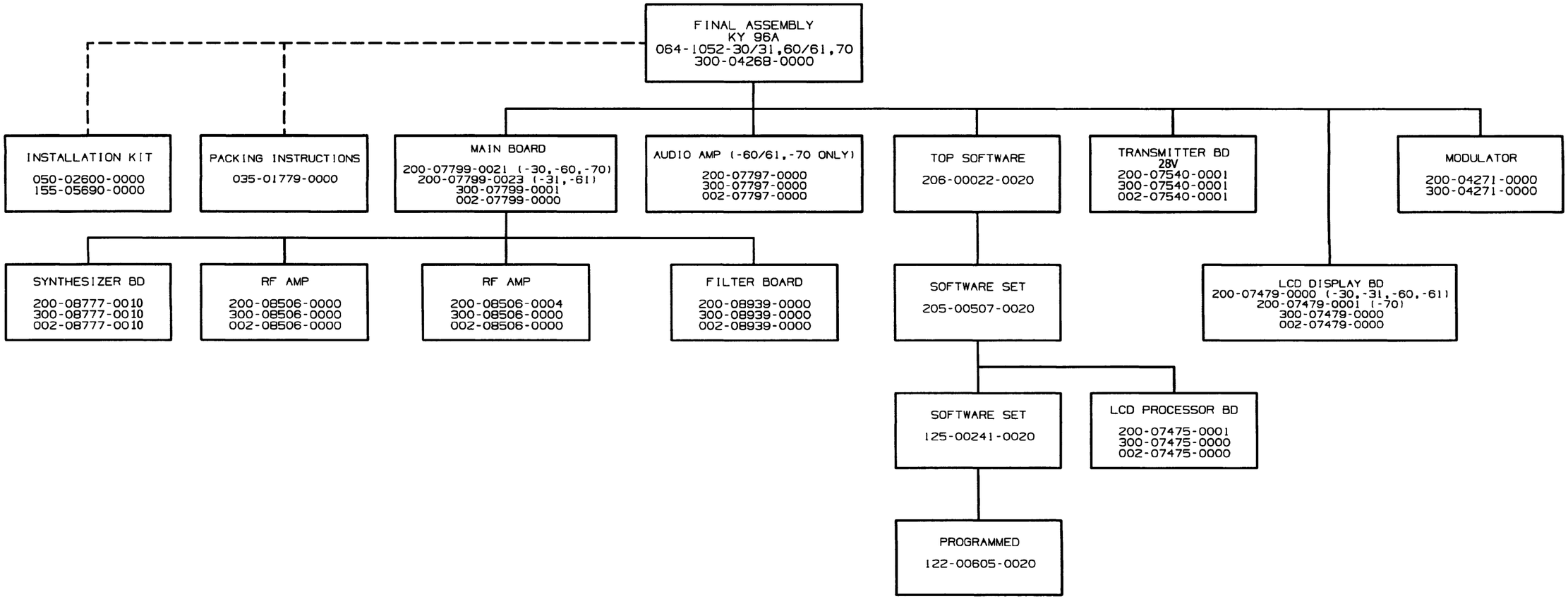

FIGURE S-1 KY 96A Software/ Hardware Configuration (Sht 3 of 3)

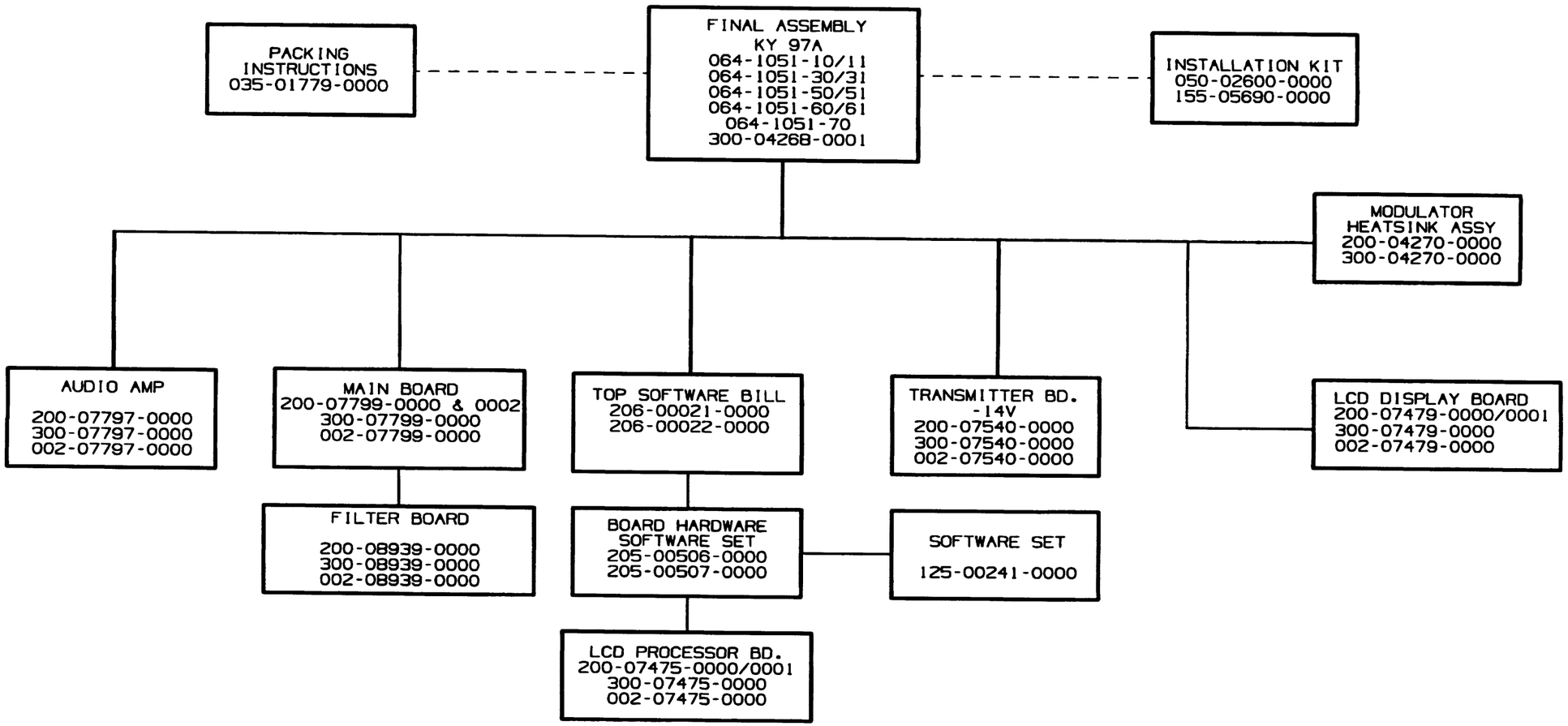

FIGURE S-2 KY 97A Software/ Hardware Configuration (Sht 1 of 3)

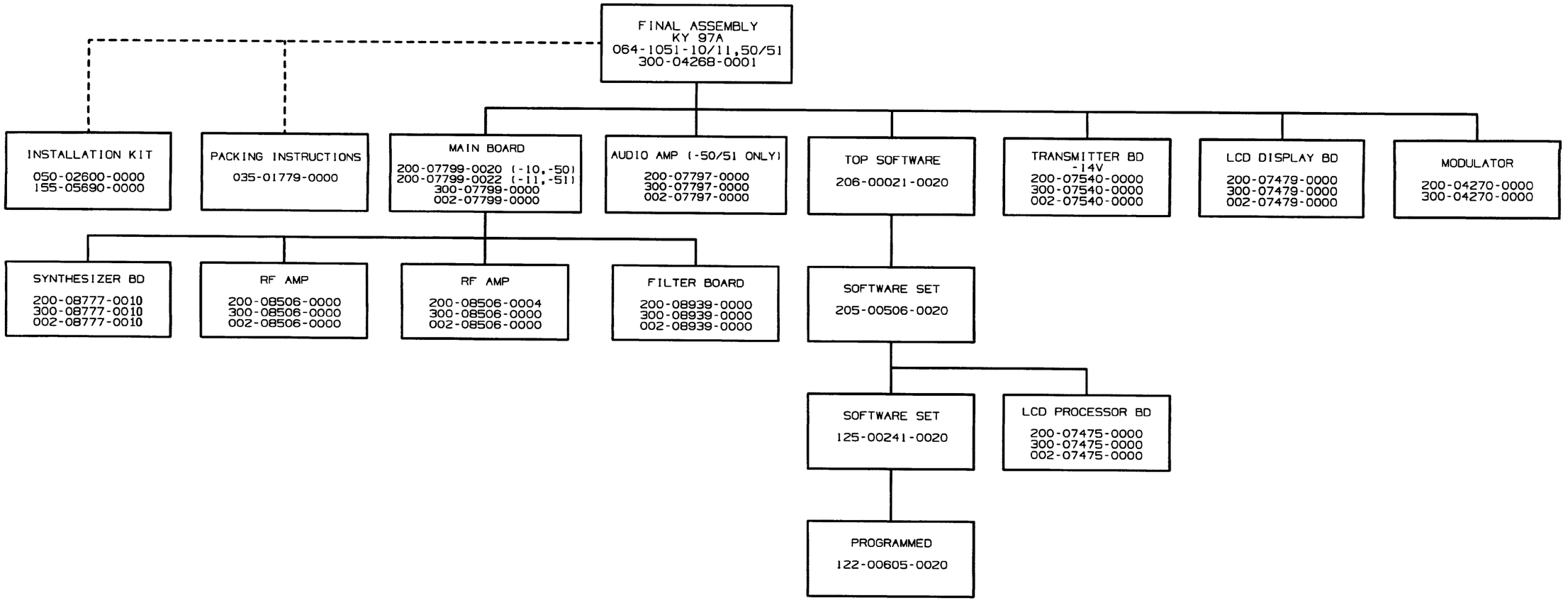

FIGURE S-2 KY 97A Software/ Hardware Configuration (Sht 2 of 3)

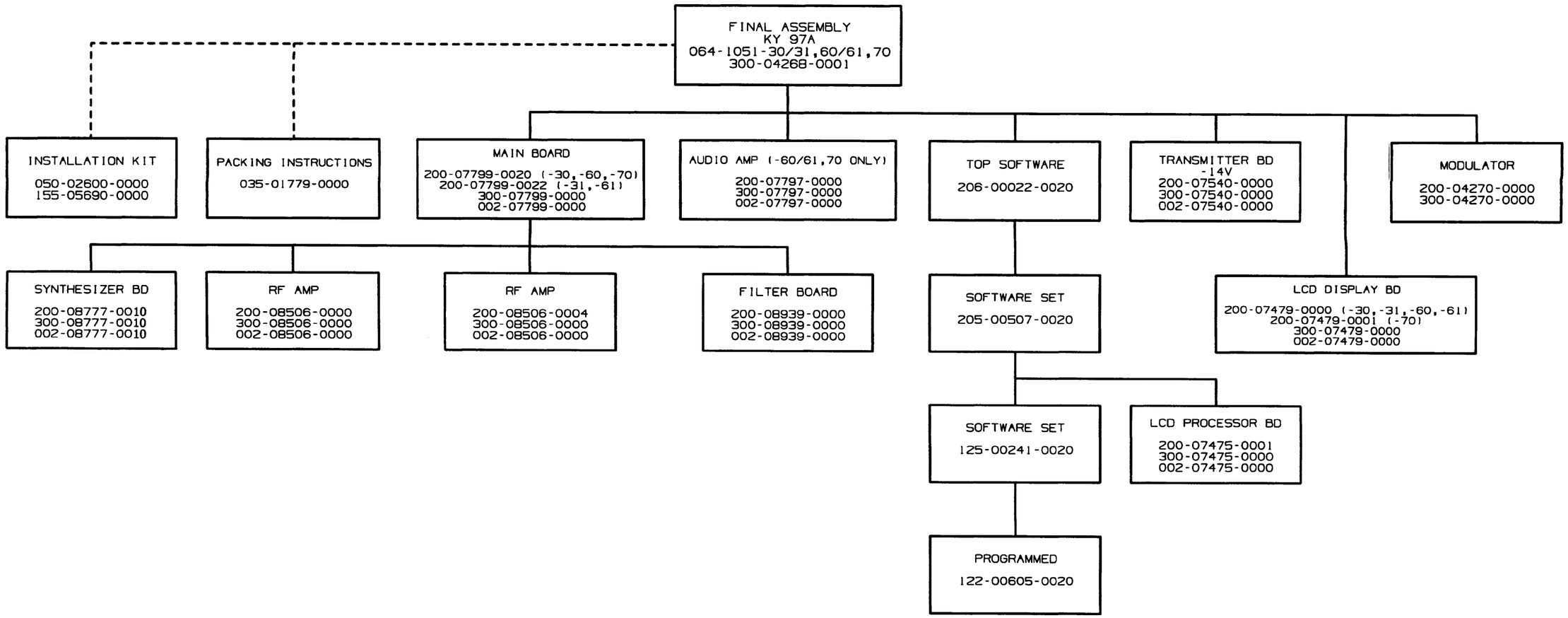

FIGURE S-2 KY 97A Software/ Hardware Configuration (Sht 3 of 3)